

AD-A159 710 PERFORMANCE MONITORING SYSTEM SUMMARY OF LOCK
STATISTICS FOR JANUARY-MARCH 1985(U) CORPS OF ENGINEERS
FORT BELVOIR VA WATER RESOURCES SUPPORT CE.

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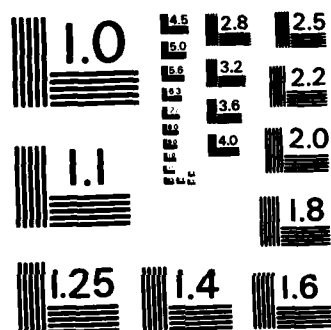
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US Army Corps
of Engineers
Engineer Institute for
Water Resources

AD-A159 710

**Performance Monitoring System:
Summary of
Lock Statistics for
January-March
1985**

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July 1985

Summary Report 85-SR-3

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Lock Performance Monitoring data are collected at Corps locks by lock operations from observation and information provided by waterway operator. This quarterly summary is an overview of the collected statistics.		

PERFORMANCE MONITORING SYSTEM
SUMMARY OF LOCK STATISTICS
January 1985 - March 1985

U.S. Army Corps of Engineers
Water Resources Support Center
Institute for Water Resources
Ft. Belvoir, Virginia 22060

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July 1985

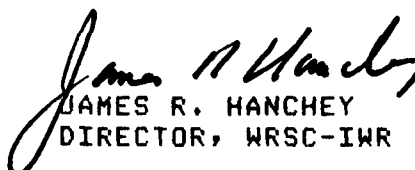
Summary Report 85-SR-3

PREFACE

This report is a product of the Navigation Data Management and Applications Branch of the U.S. Army Engineer Institute for Water Resources (WRSC-IWR). The information in this report is compiled from statistics collected at Corp's locks, in support of the lock Performance Monitoring System (PMS).

The study is managed by Mrs. Marilyn V. Fleming under the supervision of Mr. Francis M. Sharp, Chief of the WRSC-IWR Navigation Data Management and Applications Branch, and Dr. Lloyd G. Antle, Chief of the WRSC-IWR Navigation Division. The Office of the Chief of Engineers (OCE) sponsors are Mr. Henry W. Campbell Jr., DAEN-CWO-M, and Mr. Robert M. Daniel, DAEN-CWP-G.

Requests to update or change the distribution, comments and questions can be directed to Frank Sharp or Marilyn Fleming (#202-355-2240 or FTS #385-2240). This report is produced and distributed quarterly. If you have any comment at all about this report, please don't hesitate to contact us and give us the opportunity to assist you in working toward your goals.


JAMES R. HANCHEY
DIRECTOR, WRSC-IWR

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Introduction

The lock Performance Monitoring System (PMS) is a part of the Inland Navigation Systems Analysis (INSA) program and encompasses the collection, editing, maintenance, and analysis of data collected at all Corps-owned and operated locks. The data has been collected since March of 1975 and consists of information describing the traffic through the locks as well as the physical aspects of lockages. The quarterly summary of selected statistics presented in Appendix A provides an overview of the traffic and operation at each lock. The quarterly report is presented as a set of three tables for each Corps District. Information presented for each lock and chamber includes:

Table 1. A listing providing the name of the lock, the river on which the lock is located, and the lock's dimensions. In those cases where there is no quarterly information, this is the only table presented for the district.

Table 2. A listing by direction and total for the number of tows, commercial vessels other than tows, recreational vessels, barges (empty and loaded), commercial lockages, recreational lockages and tonnage.

Table 3. A summary of approach, entry, chambering, and exit times (maximum, minimum, and average) and the number of delays, total delay time, and maximum and average delay times.

Although the summary information will be computed and displayed for chambers at which there is data for only one or two months of the quarter, this fact is noted in the report where applicable.

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/85 THROUGH 3/85
 INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED	
B2	NEW ORLEANS	LOWER MISS VALLEY	1/85	2/85 3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
ATCHAFALAYA RIVER	11-BERNICK LOCK	0307/0045/11.0
BAYOU TECHE	31-KEYSTONE LOCK	0162/0036/12.0
FRESHWATER BAYOU	41-FRESHWATER BAYOU LOCK	0600/0084/15.0
GULF INTRACOASTAL	1-PORT ALLEN LOCK	1198/0084/15.0
	2-BAYOU SORREL LOCK	0800/0056/16.0
	3-INNER HRBR NAVIGATION CANL LK	0646/0075/40.0
	4-ALGIERS LOCK	0797/0075/15.0
	5-HARVEY LOCK	0425/0075/14.0
	6-BAYOU BOEUF LOCK	1158/0075/15.0
	7-VERMILLION LOCK	1200/0056/14.0
	8-CALCASIEU LOCK	1205/0075/15.0
	21-SCHOONER BAYOU CONTROL STRUCT	9999/0075/14.0
	22-CATFISH POINT CONTROL STRUCT	9999/0056/16.0
	23-CALCASIEU SALT WATER BARRIER	9999/0056/15.0
OLD RIVER	51-OLD RIVER LOCK	1200/0075/15.0

NO DATA RECORDED ON SUMMRY FILE FOR THIS PERIOD

NO DATA RECORDED ON LCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/85 THROUGH 3/85
 INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
B3	ST. LOUIS	LOWER MISS VALLEY	1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
KASKASKIA RIVER	1-KASKASKIA RIVER NAVAGATION LK	0610/0084/12.0
MISSISSIPPI RIVER	24-LOCK & DAM 24	0610/0110/12.0
	25-LOCK & DAM 25	0610/0110/12.0
	26-LOCK & DAM 26	0610/0110/12.0
	26-LOCK & DAM 26 AUX 1	0380/0110/12.0
	27-CHAIN OF ROCKS LOCK & DAM 27	1210/0110/12.0
	27-CHAIN OF ROCKS LK & DM 27 AX1	0610/0110/12.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC 83	DISTRICT NAME ST. LOUIS	DIVISION NAME LOWER MISS VALLEY	MONTHS REPORTED									
			1/85			2/85			3/85			

RIVER/LOCK NAME	TOMS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LOCKGS	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL (NAV, OPN, ETC)	

KASKASKIA RIVER												
KASKASKIA RIVER NAVAGATION LK	XXX											
UPBOUND STATISTICS	170	0	60	230	588	11	599	228	0	0	228	6
DOWNBOUND STATISTICS	161	2	84	247	7	596	603	242	0	0	242	887
TOTALS	331	2	144	477	595	607	1202	470	0	0	470	893
MISSISSIPPI RIVER												
LOCK & DAM 24	XXX											
UPBOUND STATISTICS	182	1	27	210	1616	296	1912	310	0	3	313	436
DOWNBOUND STATISTICS	143	2	17	162	36	1061	1097	220	2	4	226	1511
TOTALS	325	3	44	372	1652	1357	3009	530	2	7	539	1947
LOCK & DAM 25	XXX											
UPBOUND STATISTICS	176	0	34	210	1679	299	1978	323	0	1	324	442
DOWNBOUND STATISTICS	135	4	21	160	57	995	1052	212	2	2	216	1420
TOTALS	311	4	55	370	1736	1294	3030	535	2	3	540	1863
LOCK & DAM 26	XXX											
UPBOUND STATISTICS	508	0	28	536	3950	1345	5295	903	0	1	904	2078
DOWNBOUND STATISTICS	479	0	26	505	234	4177	4411	825	0	0	825	5980
TOTALS	987	0	54	1041	4184	5522	9706	1728	0	1	1729	8059
LOCK & DAM 26 AUX 1	XXX											
UPBOUND STATISTICS	139	2	77	218	277	150	427	284	1	5	290	235
DOWNBOUND STATISTICS	129	3	73	205	145	306	451	284	1	8	293	461
TOTALS	268	5	150	423	422	456	878	568	2	13	583	696
CHAIN OF ROCKS LOCK & DAM 27	XXX											
UPBOUND STATISTICS	966	1	186	1153	5068	1740	6808	989	0	31	1020	2785
DOWNBOUND STATISTICS	893	2	207	1102	580	5044	5624	956	0	27	983	7575
TOTALS	1859	3	393	2255	5648	6784	12432	1945	0	58	2003	10360

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
83	ST. LOUIS	LOWER MISS VALLEY	1/85	2/85	3/85

RIVER/LOCK NAME	TOWS	VESSEL	VESSEL	VESSEL	BARGS	BARGS	BARGES	LOCKGS	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	

(NAV, OPN, ETC)

MISSISSIPPI RIVER

CHAIN OF ROCKS LK & DM 27 AX1

UPBOUND STATISTICS	0	1	0	1	0	0	0	0	1	0	1	0
DOWNBOUND STATISTICS	0	3	0	3	0	0	0	0	2	0	2	0
TOTALS	0	4	0	4	0	0	0	0	3	0	3	0

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED			
83	ST. LOUIS	LOWER MISS VALLEY	1/85	2/85	3/85	

ALL TIMES EXPRESSED IN MINUTES													
APPROACH			LOCK PROCESSING TIME						EXIT		; DELAYED DELAY		DELAY
MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	TOWS	TIME	AVG
MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	TOWS	(TOWS)	(TOWS)
													(ALL VSSLS)

KASKASKIA RIVER

KASKASKIA RIVER NAVAGATION L	1	7	41	1	4	20	2	9	28	1	5	18	36	538	1.6	53
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MISSISSIPPI RIVER

LOCK & DAM 24	1	9	78	1	8	80	4	8	52	1	14	82	158	17908	55.1	530
LOCK & DAM 25	1	9	95	1	7	65	3	7	79	1	12	50	308	14561	46.8	488
LOCK & DAM 26	1	6	218	1	10	489	4	12	99	1	14	115	986	490090	496.5	5054
LOCK & DAM 26 AUX 1	1	7	171	1	6	116	4	12	60	1	9	107	265	36513	136.2	3727
CHAIN OF ROCKS LOCK & DAM 27	1	7	60	1	5	28	4	11	77	1	5	27	1326	90245	48.5	570
CHAIN OF ROCKS LK & DM 27 AX	1	1	2	1	1	1	5	5	5	1	1	2	0	0	.0	0

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/85 THROUGH 3/85
 INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
B4	VICKSBURG	LOWER MISS VALLEY	1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
OCHITA/BLACK RIV	1-JONESVILLE LOCK & DAM	0600/0084/23.4
	2-COLUMBIA LOCK & DAM	0600/0084/27.4
	3-FELSENTAL LOCK & DAM	0600/0084/11.0
	4-CALION LOCK & DAM	0600/0084/11.0
	6-LOCK & DAM 6	0268/0055/17.4
	8-LOCK & DAM 8	0268/0055/19.0
RED RIVER	41-RED RIVER LOCK & DAM #1	0685/0084/ 9.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC 84	DISTRICT NAME VICKSBURG	DIVISION NAME LOWER MISS VALLEY	MONTHS REPORTED											
			1/85	2/85	3/85									

RIVER/LOCK NAME	TOMS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LOCKGS COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL (NAV, OPN, ETC)	TONNAGE (KTONS)		

OUCHITA/BLACK RIV														
JONESVILLE LOCK & DAM	xxx													
UPBOUND STATISTICS	22	1	3	26	32	26	58	0	0	32	32	56		
DOWNBOUND STATISTICS	21	1	2	24	22	31	53	0	0	34	34	48		
TOTALS	43	2	5	50	54	57	111	0	0	66	66	105		
COLUMBIA LOCK & DAM	xxx	ONLY FIRST AND THIRD MONTHS REPORTED												
UPBOUND STATISTICS	4	3	1	8	0	9	9	7	1	0	8	10		
DOWNBOUND STATISTICS	2	2	3	7	7	0	7	6	1	5	12	0		
TOTALS	6	5	4	15	7	9	16	13	2	5	20	10		
FELSENTHAL LOCK & DAM	xxx													
UPBOUND STATISTICS	1	25	2	28	0	2	2	4	15	1	20	0		
DOWNBOUND STATISTICS	4	13	2	19	6	10	16	6	9	0	15	2		
TOTALS	5	38	4	47	6	12	18	10	24	1	35	2		
CALION LOCK & DAM	xxx													
UPBOUND STATISTICS	4	3	2	9	0	6	6	5	2	6	13	2		
DOWNBOUND STATISTICS	5	4	2	11	4	4	8	5	3	8	16	0		
TOTALS	9	7	4	20	4	10	14	10	5	14	29	3		
LOCK & DAM 6	NO DATA RECORDED FOR THIS LOCK													
LOCK & DAM 8	NO DATA RECORDED FOR THIS LOCK													
RED RIVER														
RED RIVER LOCK & DAM #1	xxx													
UPBOUND STATISTICS	169	3	30	202	14	419	433	195	1	34	230	504		
DOWNBOUND STATISTICS	129	3	56	188	364	13	377	185	1	36	222	9		
TOTALS	298	6	86	390	378	432	810	380	2	70	452	513		

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC B4	DISTRICT NAME VICKSBURG			DIVISION NAME LOWER MISS VALLEY						MONTHS REPORTED 1/85 2/85 3/85										

														ALL TIMES EXPRESSED IN MINUTES						
			APPROACH			LOCK PROCESSING TIME						: DELAYED			DELAY	DELAY	DELAY	DELAY		
			MIN AVG MAX			ENTRY			CHAMBER			EXIT			: TOWS			TIME	AVG	MAX
			MIN AVG MAX			MIN AVG MAX			MIN AVG MAX			MIN AVG MAX						(TOWS)	(TOWS)	(ALL VSSLS)

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
E3	NEW YORK	NORTH ATLANTIC	1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
HUDSON RIVER	1-TROY LOCK & DAM	0493/0044/15.0

NO DATA RECORDED ON SUMMRY FILE FOR THIS PERIOD

NO DATA RECORDED ON LCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
E4	NORFOLK	NORTH ATLANTIC	1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
ATLANT INTRCOASTAL	11-GREAT BRIDGE GUARD LOCK	0530/0072/12.0
DISMAL SWAMP	1-DEEP CREEK LOCK	0300/0052/ 6.0
	2-SOUTH HILLS LOCK	0300/0052/ 6.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC E4	DISTRICT NAME NORFOLK	DIVISION NAME NORTH ATLANTIC	MONTHS REPORTED									
			1/85			2/85			3/85			

RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LOCKGS	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												

ATLANT INTRCOASTAL												
GREAT BRIDGE GUARD LOCK	xxx											
UPBOUND STATISTICS	153	175	29	357	113	104	217	171	117	55	343	122
DOWNBOUND STATISTICS	155	143	34	332	100	92	192	174	103	55	332	103
TOTALS	308	318	63	689	213	196	409	345	220	110	675	225
DISMAL SWAMP												
DEEP CREEK LOCK	xxx											
UPBOUND STATISTICS	0	10	0	10	0	0	0	1	9	0	10	0
DOWNBOUND STATISTICS	0	13	0	13	0	0	0	2	7	0	9	0
TOTALS	0	23	0	23	0	0	0	3	16	0	19	0
SOUTH MILLS LOCK	xxx											
UPBOUND STATISTICS	0	8	0	8	0	0	0	2	7	0	9	0
DOWNBOUND STATISTICS	0	9	0	9	0	0	0	2	7	0	9	0
TOTALS	0	17	0	17	0	0	0	4	14	0	18	0

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC E4	DISTRICT NAME NORFOLK			DIVISION NAME NORTH ATLANTIC			MONTHS REPORTED 1/852/853/85											
ALL TIMES EXPRESSED IN MINUTES																		
APPROACH			LOCK PROCESSING TIME						EXIT			:	DELAYED	DELAY	DELAY	DELAY		
			ENTRY			CHAMBER						:	TOWS	TIME	AVG	MAX		
MIN	AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	MAX	:	(TOWS)	(TOWS)	(ALL VSSLS)
ATLANT INTRCOASTAL																		
GREAT BRIDGE GUARD LOCK		1	3	6	1	3	10	2	6	35	2	4	30	:	308	1152	3.7	30
DISMAL SWAMP																		
DEEP CREEK LOCK		5	5	8	4	4	5	10	10	10	5	5	5	:	0	0	.0	5
SOUTH MILLS LOCK		3	4	5	3	3	5	10	10	10	4	4	5	:	0	0	.0	20

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
F1	BUFFALO	NORTH CENTRAL	1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
BLK ROCK CH/TONAWANDA	1-BLACK ROCK LOCK	0650/0070/21.7

NO DATA RECORDED ON SUMMARY FILE FOR THIS PERIOD

NO DATA RECORDED ON LOCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
F2	CHICAGO	NORTH CENTRAL	1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/MID/DRAFT (FT/FT/FT)
CHICAGO HARBOR	1-CHICAGO LOCK	0600/0080/21.5

NO DATA RECORDED ON SUMMRY FILE FOR THIS PERIOD

NO DATA RECORDED ON LCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
F3	DETROIT	NORTH CENTRAL	1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
FOX RIVER	11-DE PERE LOCK & DAM	0146/0036/ 6.0
	12-LITTLE KAUKAUNA LOCK & DAM	0146/0036/ 6.0
	13-RAPIDE CROCHE LOCK & DAM	0146/0036/ 6.0
	21-KAUKAUNA LOCK 1	0144/0035/ 6.0
	22-KAUKAUNA LOCK 2	0144/0035/ 6.0
	23-KAUKAUNA LOCK 3	0144/0031/ 6.0
	24-KAUKAUNA LOCK 4	0144/0037/ 6.0
	25-KAUKAUNA LOCK 5	0144/0036/ 6.0
	32-LITTLE CHUTE LOCK 2	0147/0035/ 6.0
	33-LITTLE CHUTE COMB LOCKS UPPER	0144/0036/ 6.0
	34-LITTLE CHUTE COMB LOCKS LOWER	0147/0035/ 6.0
	35-CEDARS LOCK & DAM	0144/0035/ 6.0
	41-APPLETON LOCK 1	0145/0034/ 6.0
	42-APPLETON LOCK 2	0145/0035/ 6.0
	43-APPLETON LOCK 3	0144/0035/ 6.0
	44-APPLETON LOCK 4	0144/0035/ 6.0
	51-MENASHA LOCK & DAM	0144/0034/ 6.0
THE INLAND ROUTE	61-ALANSON LOCK	0066/0018/ 7.0
ST MARYS RIVER	1-MACARTHUR LOCK	0800/0080/31.0
	2-NEW POE LOCK	1200/0110/32.0
	3-DAVIS LOCK00	1350/0080/23.1
	4-SABIN LOCK00	1350/0080/23.1

NO DATA RECORDED ON SUMMRY FILE FOR THIS PERIOD

NO DATA RECORDED ON LCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/85 THROUGH 3/85
 INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
F4	ROCK ISLAND	NORTH CENTRAL	1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
ILLINOIS	1-THOMAS J O'BRIEN	1000/0110/12.0
	2-LOCKPORT LOCK	0600/0110/12.0
	3-BRANDON ROAD LOCK & DAM	0600/0110/12.0
	4-DRESDEN ISLAND LOCK & DAM	0600/0110/12.0
	5-MARSELLES LOCK & DAM	0600/0110/12.0
	6-STARVED ROCK LOCK & DAM	0600/0110/12.0
	7-PEDRIA LOCK & DAM	0600/0110/12.0
	8-LAGRANGE LOCK & DAM	0600/0110/12.0
MISSISSIPPI RIVER	11-LOCK & DAM 11	0600/0110/10.0
	12-LOCK & DAM 12	0600/0110/10.0
	13-LOCK & DAM 13	0600/0110/10.0
	14-LOCK & DAM 14	0600/0110/10.0
	14-LOCK & DAM 14 AUXILIARY 1	0320/0080/10.0
	15-LOCK & DAM 15	0600/0110/10.0
	15-LOCK & DAM 15 AUXILIARY 1	0360/0110/10.0
	16-LOCK & DAM 16	0600/0110/10.0
	17-LOCK & DAM 17	0600/0110/10.0
	18-LOCK & DAM 18	0600/0110/10.0
	19-LOCK & DAM 19	1200/0110/10.0
	19-LOCK & DAM 19 AUXILIARY 1	1350/0110/10.0
	20-LOCK & DAM 20	0600/0110/10.0
	21-LOCK & DAM 21	0600/0110/10.0
	22-LOCK & DAM 22	0600/0110/10.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC F4	DISTRICT NAME ROCK ISLAND	DIVISION NAME NORTH CENTRAL	MONTHS REPORTED									
			1/85		2/85		3/85					

RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LOCKGS	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												

ILLINOIS												
THOMAS J O'BRIEN	xxx											
UPBOUND STATISTICS	227	8	66	301	261	325	586	289	6	2	297	495
DOWNBOUND STATISTICS	224	7	59	290	232	317	549	276	5	2	283	498
TOTALS	451	15	125	591	493	642	1135	565	11	4	580	994
LOCKPORT LOCK	xxx											
UPBOUND STATISTICS	253	1	58	312	198	788	986	302	0	0	302	1179
DOWNBOUND STATISTICS	274	0	42	316	561	471	1032	308	0	0	308	753
TOTALS	527	1	100	628	759	1259	2018	610	0	0	610	1933
BRANDON ROAD LOCK & DAM	xxx											
UPBOUND STATISTICS	269	1	117	387	254	796	1050	337	0	1	338	1193
DOWNBOUND STATISTICS	268	0	116	384	525	515	1040	334	0	1	335	811
TOTALS	537	1	233	771	779	1311	2090	671	0	2	673	2005
DRESDEN ISLAND LOCK & DAM	xxx											
UPBOUND STATISTICS	216	5	49	270	297	759	1056	294	2	9	305	1155
DOWNBOUND STATISTICS	246	3	22	271	492	653	1145	298	2	9	309	1083
TOTALS	462	8	71	541	789	1412	2201	592	4	18	614	2239
MARSELLES LOCK & DAM	xxx											
UPBOUND STATISTICS	229	1	35	265	433	808	1241	317	1	2	320	1283
DOWNBOUND STATISTICS	236	1	28	265	416	897	1313	330	0	2	332	1423
TOTALS	465	2	63	530	849	1705	2554	647	1	4	652	2707
STARVED ROCK LOCK & DAM	xxx											
UPBOUND STATISTICS	249	3	41	293	605	803	1408	357	2	1	360	1282
DOWNBOUND STATISTICS	255	4	31	290	404	1084	1488	366	2	1	369	1668
TOTALS	504	7	72	583	1009	1887	2896	723	4	2	729	2950
PEORIA LOCK & DAM	xxx											
UPBOUND STATISTICS	322	0	33	355	1337	1100	2437	59	0	315	374	1737
DOWNBOUND STATISTICS	343	0	22	365	419	2127	2546	74	0	313	387	3098
TOTALS	665	0	55	720	1756	3227	4983	133	0	628	761	4836

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC F4	DISTRICT NAME ROCK ISLAND	DIVISION NAME NORTH CENTRAL	MONTHS REPORTED									
			1/85		2/85		3/85					

RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LOCKGS	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL (NAV, OPN, ETC)	

ILLINOIS												
LAGRANGE LOCK & DAM	xxx											
UPBOUND STATISTICS	359	0	29	388	2139	1094	3233	1	0	383	384	1750
DOWNBOUND STATISTICS	369	0	15	384	261	2939	3200	4	0	378	382	4251
TOTALS	728	0	44	772	2400	4033	6433	5	0	761	766	6001
MISSISSIPPI RIVER												
LOCK & DAM 11	xxx	ONLY THIRD MONTH REPORTED										
UPBOUND STATISTICS	51	5	8	64	463	123	586	93	4	1	98	177
DOWNBOUND STATISTICS	27	3	7	37	4	198	202	42	2	0	44	277
TOTALS	78	8	15	101	467	321	788	135	6	1	142	454
LOCK & DAM 12	xxx	ONLY THIRD MONTH REPORTED										
UPBOUND STATISTICS	72	2	3	77	641	143	784	122	1	1	124	208
DOWNBOUND STATISTICS	43	5	3	51	6	325	331	65	7	1	73	463
TOTALS	115	7	6	128	647	468	1115	187	8	2	197	671
LOCK & DAM 13	xxx	ONLY THIRD MONTH REPORTED										
UPBOUND STATISTICS	71	0	4	75	653	138	791	124	0	1	125	201
DOWNBOUND STATISTICS	42	2	3	47	6	321	327	66	1	1	68	457
TOTALS	113	2	7	122	659	459	1118	190	1	2	193	659
LOCK & DAM 14	xxx	ONLY SECOND AND THIRD MONTHS REPORTED										
UPBOUND STATISTICS	98	0	4	102	800	185	985	164	0	4	168	266
DOWNBOUND STATISTICS	62	4	6	72	11	464	475	100	5	1	106	651
TOTALS	160	4	10	174	811	649	1460	264	5	5	274	918
LOCK & DAM 14 AUXILIARY 1	NO DATA RECORDED FOR THIS LOCK											
LOCK & DAM 15	xxx	ONLY SECOND AND THIRD MONTHS REPORTED										
UPBOUND STATISTICS	111	6	12	129	809	191	1000	182	7	4	193	282
DOWNBOUND STATISTICS	74	2	15	91	17	472	489	117	2	4	123	669
TOTALS	185	8	27	220	826	663	1489	299	9	8	316	952

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC F4	DISTRICT NAME ROCK ISLAND	DIVISION NAME NORTH CENTRAL	MONTHS REPORTED									
			1/85		2/85		3/85					

RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGE	BARGE	BARGE	LOCKGS	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												

MISSISSIPPI RIVER												
LOCK & DAM 15 AUXILIARY 1	xxx	ONLY THIRD MONTH REPORTED										
UPBOUND STATISTICS	9	9	9	27	10	0	10	20	5	1	26	0
DOWNBOUND STATISTICS	10	2	9	21	5	8	13	20	1	0	21	11
TOTALS	19	11	18	48	15	8	23	40	6	1	47	11
LOCK & DAM 16	xxx	ONLY SECOND AND THIRD MONTHS REPORTED										
UPBOUND STATISTICS	110	1	25	136	954	204	1158	202	1	4	207	301
DOWNBOUND STATISTICS	89	3	19	111	38	604	642	146	2	4	152	854
TOTALS	199	4	44	247	992	808	1800	348	3	8	359	1155
LOCK & DAM 17	xxx	ONLY SECOND AND THIRD MONTHS REPORTED										
UPBOUND STATISTICS	118	0	8	126	1048	233	1281	209	0	4	213	344
DOWNBOUND STATISTICS	86	1	7	94	37	674	711	144	1	3	148	950
TOTALS	204	1	15	220	1085	907	1992	353	1	7	361	1294
LOCK & DAM 18	xxx	ONLY SECOND AND THIRD MONTHS REPORTED										
UPBOUND STATISTICS	120	3	5	128	1123	248	1371	213	5	5	223	367
DOWNBOUND STATISTICS	80	5	8	93	34	688	722	138	7	3	148	970
TOTALS	200	8	13	221	1157	936	2093	351	12	8	371	1337
LOCK & DAM 19	xxx	ONLY FIRST AND THIRD MONTHS REPORTED										
UPBOUND STATISTICS	126	0	14	140	1341	230	1571	136	0	0	136	336
DOWNBOUND STATISTICS	86	2	16	104	57	813	870	95	0	0	95	1151
TOTALS	212	2	30	244	1398	1043	2441	231	0	0	231	1487
LOCK & DAM 19 AUXILIARY 1	NO DATA RECORDED FOR THIS LOCK											
LOCK & DAM 20	xxx											
UPBOUND STATISTICS	131	0	31	162	1393	231	1624	259	0	1	260	337
DOWNBOUND STATISTICS	95	4	27	126	46	871	917	182	3	3	188	1235
TOTALS	226	4	58	288	1439	1102	2541	441	3	4	448	1573
LOCK & DAM 21	xxx											
UPBOUND STATISTICS	163	1	20	184	1502	235	1737	282	1	1	284	346
DOWNBOUND STATISTICS	119	3	25	147	27	1031	1058	206	3	3	212	1455
TOTALS	282	4	45	331	1529	1266	2795	488	4	4	496	1802

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/85 THROUGH 3/85
 INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
F4	ROCK ISLAND	NORTH CENTRAL	1/85	2/85	3/85

RIVER/LOCK NAME	TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LOCKGS COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)

(NAV, OPN, ETC)

MISSISSIPPI RIVER

LOCK & DAM 22

UPBOUND STATISTICS	168	2	10	180	1542	264	1806	283	1	1	285	384
DOWNBOUND STATISTICS	119	2	14	135	19	1020	1039	196	1	3	200	1455
TOTALS	287	4	24	315	1561	1284	2845	479	2	4	485	1839

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC F4	DISTRICT NAME ROCK ISLAND	DIVISION NAME NORTH CENTRAL	MONTHS REPORTED														
			1/85					2/85					3/85				
			ALL TIMES EXPRESSED IN MINUTES														
			APPROACH			LOCK PROCESSING TIME						EXIT		: DELAYED	DELAY	DELAY	DELAY
MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	:	TONS	TIME	AVG	MAX	
ILLINOIS																	
THOMAS J O'BRIEN	1	7	35	1	3	33	2	14	73	1	3	15	:	41	891	2.0	236
LOCKPORT LOCK	1	8	87	1	10	43	4	27	97	1	8	58	:	354	24423	46.3	1009
BRANDON ROAD LOCK & DAM	1	10	75	1	10	87	1	22	84	1	11	425	:	412	35266	65.7	1458
DRESDEN ISLAND LOCK & DAM	1	9	65	1	8	33	1	14	35	1	10	73	:	201	12833	27.8	380
MARSIELLES LOCK & DAM	1	11	88	1	9	56	5	20	76	1	17	389	:	264	75759	162.9	1614
STARVED ROCK LOCK & DAM	1	7	203	1	9	237	4	15	95	1	13	84	:	248	56267	111.6	2695
PEDRIA LOCK & DAM	1	2	61	1	3	45	1	3	42	1	6	93	:	318	11193	16.8	1320
LAGRANGE LOCK & DAM	1	1	3	1	1	2	1	1	2	1	1	7	:	411	412	.6	2
MISSISSIPPI RIVER																	
LOCK & DAM 11	1	9	55	1	7	26	1	8	20	1	12	32	:	30	1948	25.0	301
LOCK & DAM 12	1	11	126	1	7	27	1	6	30	1	13	50	:	36	4064	35.3	1502
LOCK & DAM 13	1	7	54	1	7	28	4	8	127	1	14	37	:	40	4600	40.7	725
LOCK & DAM 14	1	7	50	1	7	28	1	8	20	1	14	61	:	64	3315	20.7	217
LOCK & DAM 14 AUXILIARY 1	NO DATA RECORDED FOR THIS LOCK																
LOCK & DAM 15	1	9	76	1	7	67	1	9	30	1	13	65	:	88	9215	49.8	530
LOCK & DAM 15 AUXILIARY 1	1	4	21	1	2	6	1	10	37	1	3	10	:	3	37	1.9	17

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC F4	DISTRICT NAME ROCK ISLAND			DIVISION NAME NORTH CENTRAL						MONTHS REPORTED 1/85 2/85 3/85									

ALL TIMES EXPRESSED IN MINUTES																			
APPROACH			LOCK PROCESSING TIME						EXIT		: DELAYED TOWS		DELAY TIME (TOWS)		DELAY AVG (TOWS)		DELAY MAX (ALL VSSLS)		
			ENTRY		CHAMBER														
MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	:							

MISSISSIPPI RIVER																			
LOCK & DAM 16			1	10	70	1	7	31	1	6	67	1	14	50	:	97	6568	33.0	190
LOCK & DAM 17			1	11	99	1	7	25	5	8	35	1	13	46	:	101	8541	41.9	294
LOCK & DAM 18			1	10	56	1	8	25	2	7	401	1	17	421	:	105	10140	50.7	842
LOCK & DAM 19			1	17	75	1	8	26	2	14	30	1	10	123	:	79	3746	17.7	159
LOCK & DAM 19 AUXILIARY 1			NO DATA RECORDED FOR THIS LOCK																
LOCK & DAM 20			1	7	92	1	7	24	2	5	36	1	15	179	:	98	8665	38.3	1476
LOCK & DAM 21			1	10	192	1	9	436	1	5	40	1	14	63	:	108	13541	48.0	4935
LOCK & DAM 22			1	15	265	1	8	28	2	6	70	1	18	98	:	134	16907	58.9	387

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/85 THROUGH 3/85
 INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
F5	ST. PAUL	NORTH CENTRAL	1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
MISSISSIPPI RIVER	1-LOCK & DAM 1 MAIN CHBR 1	0400/0056/11.0
	1-LOCK & DAM 1 MAIN CHBR 2	0400/0056/11.0
	2-LOCK & DAM 2	0600/0110/11.0
	2-LOCK & DAM 2 AUXILIARY 1	0500/0110/11.0
	3-LOCK & DAM 3	0600/0110/11.0
	4-LOCK & DAM 4	0600/0110/11.0
	5-LOCK & DAM 5	0600/0110/11.0
	6-LOCK & DAM 6	0600/0110/11.0
	7-LOCK & DAM 7	0600/0110/11.0
	8-LOCK & DAM 8	0600/0110/11.0
	9-LOCK & DAM 9	0600/0110/11.0
	10-LOCK & DAM 10	0600/0110/11.0
	51-ST ANTHONY FALLS UPPER L & D	0400/0056/11.0
	52-ST ANTHONY FALLS LOWER L & D	0400/0056/11.0
	55-LOCK & DAM 5A	0600/0110/11.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC F5	DISTRICT NAME ST. PAUL	DIVISION NAME NORTH CENTRAL	MONTHS REPORTED											
			1/85		2/85		3/85							

RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LOCKGS	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)		
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL			
(NAV, OPN, ETC)														

MISSISSIPPI RIVER														
LOCK & DAM 1 MAIN CHBR 1	***	ONLY THIRD MONTH REPORTED												
UPBOUND STATISTICS	13	0	5	18	22	1	23	17	0	0	17	1		
DOWNBOUND STATISTICS	9	3	8	20	0	17	17	17	0	0	17	25		
TOTALS	22	3	13	38	22	18	40	34	0	0	34	27		
LOCK & DAM 1 MAIN CHBR 2	NO DATA RECORDED FOR THIS LOCK													
LOCK & DAM 2	***	ONLY THIRD MONTH REPORTED												
UPBOUND STATISTICS	32	0	0	32	277	57	334	54	0	0	54	78		
DOWNBOUND STATISTICS	22	0	3	25	6	186	192	36	0	0	36	264		
TOTALS	54	0	3	57	283	243	526	90	0	0	90	343		
LOCK & DAM 2 AUXILIARY 1	NO DATA RECORDED FOR THIS LOCK													
LOCK & DAM 3	***	ONLY THIRD MONTH REPORTED												
UPBOUND STATISTICS	34	4	6	44	290	60	350	62	6	0	68	82		
DOWNBOUND STATISTICS	21	3	7	31	0	191	191	37	4	0	41	270		
TOTALS	55	7	13	75	290	251	541	99	10	0	109	352		
LOCK & DAM 4	***	ONLY THIRD MONTH REPORTED												
UPBOUND STATISTICS	35	1	0	36	316	64	380	62	1	0	63	84		
DOWNBOUND STATISTICS	20	1	3	24	0	178	178	34	1	0	35	253		
TOTALS	55	2	3	60	316	242	558	96	2	0	98	337		
LOCK & DAM 5	***	ONLY THIRD MONTH REPORTED												
UPBOUND STATISTICS	35	3	0	38	316	64	380	61	4	1	66	87		
DOWNBOUND STATISTICS	20	3	3	26	0	178	178	32	4	1	37	253		
TOTALS	55	6	3	64	316	242	558	93	8	2	103	340		
LOCK & DAM 6	***	ONLY THIRD MONTH REPORTED												
UPBOUND STATISTICS	35	5	0	40	327	85	412	59	8	1	68	118		
DOWNBOUND STATISTICS	21	2	3	26	17	176	193	36	2	1	39	246		
TOTALS	56	7	3	66	344	261	605	95	10	2	107	364		

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC F5	DISTRICT NAME ST. PAUL	DIVISION NAME NORTH CENTRAL	MONTHS REPORTED											
			1/85		2/85		3/85							

RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LOCKGS	LCKGES	LCKGES	LCKGES	TONNAGE		
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	(KTONS)		

MISSISSIPPI RIVER														
LOCK & DAM 7		***	ONLY THIRD MONTH REPORTED											
UPBOUND STATISTICS	35	2	2	39	343	70	413	65	0	1	66	99		
DOWNBOUND STATISTICS	20	1	4	25	1	185	186	35	1	1	37	263		
TOTALS	55	3	6	64	344	255	599	100	1	2	103	362		
LOCK & DAM 8		***	ONLY THIRD MONTH REPORTED											
UPBOUND STATISTICS	37	2	0	39	376	73	449	63	3	3	69	102		
DOWNBOUND STATISTICS	17	0	3	20	2	164	166	30	0	1	31	229		
TOTALS	54	2	3	59	378	237	615	93	3	4	100	332		
LOCK & DAM 9		***	ONLY THIRD MONTH REPORTED											
UPBOUND STATISTICS	38	0	0	38	369	111	480	69	0	1	70	164		
DOWNBOUND STATISTICS	17	0	3	20	3	149	152	29	0	0	29	208		
TOTALS	55	0	3	58	372	260	632	98	0	1	99	372		
LOCK & DAM 10		***	ONLY THIRD MONTH REPORTED											
UPBOUND STATISTICS	51	5	2	58	443	126	569	86	7	1	94	181		
DOWNBOUND STATISTICS	27	4	4	35	2	203	205	40	5	0	45	281		
TOTALS	78	9	6	93	445	329	774	126	12	1	139	463		
ST ANTHONY FALLS UPPER L & D		***	ONLY THIRD MONTH REPORTED											
UPBOUND STATISTICS	12	0	5	17	20	1	21	16	0	0	16	1		
DOWNBOUND STATISTICS	9	0	8	17	0	15	15	15	0	0	15	22		
TOTALS	21	0	13	34	20	16	36	31	0	0	31	24		
ST ANTHONY FALLS LOWER L & D		***	ONLY THIRD MONTH REPORTED											
UPBOUND STATISTICS	13	0	4	17	22	1	23	17	0	0	17	1		
DOWNBOUND STATISTICS	9	0	7	16	0	17	17	16	0	0	16	25		
TOTALS	22	0	11	33	22	18	40	33	0	0	33	27		
LOCK & DAM 5A		***	ONLY THIRD MONTH REPORTED											
UPBOUND STATISTICS	35	0	9	44	316	64	380	68	0	1	69	89		
DOWNBOUND STATISTICS	20	1	11	32	0	178	178	35	1	4	40	253		
TOTALS	55	1	20	76	316	242	558	103	1	5	109	342		

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

ERO F5	DISTRICT NAME ST. PAUL	DIVISION NAME NORTH CENTRAL	MONTHS REPORTED														
			1/85					2/85					3/85				
			ALL TIMES EXPRESSED IN MINUTES														
			APPROACH			LOCK PROCESSING TIME						EXIT			: DELAYED DELAY		DELAY
MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	: TOWS	TIME	(TOWS)	(TOWS)	(ALL VSSLS)	
MISSISSIPPI RIVER																	
LOCK & DAM 1 MAIN CHBR 1	1	4	15	2	6	16	9	12	20	2	6	11	:	0	0	.0	9
LOCK & DAM 1 MAIN CHBR 2	NO DATA RECORDED FOR THIS LOCK																
LOCK & DAM 2	1	11	100	1	8	20	4	7	16	2	14	32	:	10	505	9.4	110
LOCK & DAM 2 AUXILIARY 1	NO DATA RECORDED FOR THIS LOCK																
LOCK & DAM 3	1	10	73	1	8	61	4	5	20	2	14	51	:	13	650	11.8	105
LOCK & DAM 4	1	8	54	1	9	40	4	5	12	2	15	44	:	15	660	12.0	125
LOCK & DAM 5	1	8	105	1	7	17	4	6	12	1	13	34	:	13	564	10.3	100
LOCK & DAM 6	1	10	91	1	8	26	4	5	9	1	14	54	:	18	1074	19.2	155
LOCK & DAM 7	1	11	91	1	8	22	4	5	14	1	15	43	:	16	1036	18.8	102
LOCK & DAM 8	1	9	76	1	7	19	5	5	9	1	16	40	:	15	1001	18.5	128
LOCK & DAM 9	1	9	58	1	8	20	4	5	11	3	15	60	:	12	704	12.8	220
LOCK & DAM 10	1	9	64	1	7	57	4	5	35	1	13	39	:	18	849	10.9	117
ST ANTHONY FALLS UPPER L & D	1	2	25	1	5	36	9	11	16	1	4	10	:	0	0	.0	0
ST ANTHONY FALLS LOWER L & D	1	4	10	1	4	9	8	11	17	1	3	8	:	1	11	.5	11
LOCK & DAM 5A	1	8	56	1	6	25	4	5	11	1	12	30	:	16	1061	19.3	203

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
G2	PORTLAND	NORTH PACIFIC	1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
COLUMBIA RIVER	1-BONNEVILLE LOCK & DAM	0500/0075/15.0
	2-THE DALLES DAM	0675/0086/15.0
	3-JOHN DAY LOCK & DAM	0675/0086/15.0
WILLAMETTE RIVER	11-WILLAMETTE FALLS LOCKS 1 - 4	0210/0040/ 6.5
	15-WILLAMETTE FALLS GUARD LOCK	0210/0040/ 6.5

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC G2	DISTRICT NAME PORTLAND	DIVISION NAME NORTH PACIFIC	MONTHS REPORTED											
			1/85			2/85			3/85					

RIVER/LOCK NAME	TOWS	VESSL RECTRN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LOCKGS COMMER	LCKGES RECTRN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)		
													(NAV, OPN, ETC)	

COLUMBIA RIVER														
BONNEVILLE LOCK & DAM														
		***	ONLY FIRST MONTH REPORTED											
UPBOUND STATISTICS	71	0	10	81	201	63	264	167	0	6	173	82		
DOWNBOUND STATISTICS	77	0	4	81	8	264	272	169	0	4	173	669		
TOTALS	148	0	14	162	209	327	536	336	0	10	346	752		
THE DALLES DAM														
		***	ONLY FIRST MONTH REPORTED											
UPBOUND STATISTICS	56	0	4	60	144	67	211	58	0	2	60	89		
DOWNBOUND STATISTICS	56	0	3	59	7	194	201	57	0	3	60	474		
TOTALS	112	0	7	119	151	261	412	115	0	5	120	564		
JOHN DAY LOCK & DAM														
		***	ONLY FIRST MONTH REPORTED											
UPBOUND STATISTICS	56	0	9	65	145	66	211	59	0	1	60	84		
DOWNBOUND STATISTICS	55	0	14	69	11	186	197	57	0	2	59	448		
TOTALS	111	0	23	134	156	252	408	116	0	3	119	533		
WILLAMETTE RIVER														
WILLAMETTE FALLS LOCKS 1 - 4														
		***	ONLY FIRST MONTH REPORTED											
UPBOUND STATISTICS	115	4	26	145	74	41	115	142	3	0	145	11		
DOWNBOUND STATISTICS	111	2	31	144	4	107	111	144	0	0	144	54		
TOTALS	226	6	57	289	78	148	226	286	3	0	289	66		
WILLAMETTE FALLS GUARD LOCK														
		***	ONLY FIRST MONTH REPORTED											
UPBOUND STATISTICS	75	4	26	105	67	8	75	70	4	29	103	1		
DOWNBOUND STATISTICS	72	2	29	103	2	70	72	69	1	34	104	42		
TOTALS	147	6	55	208	69	78	147	139	5	63	207	44		

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
G3	SEATTLE	NORTH PACIFIC	1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
LAKE WASHINGTON SHP CA	1-HIRAM M CHITTENDEN LOCKS	0760/0080/30.0
	1-HIRAM M CHITTENDEN LOCKS AUX1	0150/0028/25.0

NO DATA RECORDED ON SUMMRY FILE FOR THIS PERIOD

NO DATA RECORDED ON LCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
G4	WALLA WALLA	NORTH PACIFIC	1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
COLUMBIA RIVER	24-MCNARY LOCK & DAM	0675/0086/14.0
SNAKE RIVER	1-ICE HARBOR LOCK & DAM	0670/0086/14.0
	2-LOWER MONUMENTAL LOCK & DAM	0670/0086/14.0
	3-LITTLE GOOSE LOCK & DAM	0670/0086/14.0
	4-LOWER GRANITE LOCK & DAM	0670/0086/14.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC G4	DISTRICT NAME WALLA WALLA	DIVISION NAME NORTH PACIFIC	MONTHS REPORTED									
			1/85			2/85			3/85			
<hr/>												
RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGS	LOCKGS	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												
<hr/>												
COLUMBIA RIVER												
MCNARY LOCK & DAM	xxx											
UPBOUND STATISTICS	145	3	11	159	335	167	502	151	2	4	157	223
DOWNBOUND STATISTICS	146	5	4	155	24	479	503	152	3	4	159	1121
TOTALS	291	8	15	314	359	646	1005	303	5	8	316	1345
SNAKE RIVER												
ICE HARBOR LOCK & DAM	xxx											
UPBOUND STATISTICS	122	6	18	146	270	49	319	138	3	2	143	19
DOWNBOUND STATISTICS	120	6	19	145	6	314	320	138	3	4	145	742
TOTALS	242	12	37	291	276	363	639	276	6	6	288	762
LOWER MONUMENTAL LOCK & DAM	xxx											
UPBOUND STATISTICS	84	0	5	89	248	49	297	87	0	1	88	20
DOWNBOUND STATISTICS	87	0	2	89	5	294	299	88	0	1	89	694
TOTALS	171	0	7	178	253	343	596	175	0	2	177	715
LITTLE GOOSE LOCK & DAM	xxx											
UPBOUND STATISTICS	85	3	5	93	244	49	293	89	1	5	95	20
DOWNBOUND STATISTICS	85	3	3	91	5	285	290	88	3	4	95	659
TOTALS	170	6	8	184	249	334	583	177	4	9	190	679
LOWER GRANITE LOCK & DAM	xxx											
UPBOUND STATISTICS	80	43	2	125	186	48	234	83	24	0	107	19
DOWNBOUND STATISTICS	80	32	1	113	8	217	225	82	22	1	105	460
TOTALS	160	75	3	238	194	265	459	165	46	1	212	479

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC G4	DISTRICT NAME WALLA WALLA	DIVISION NAME NORTH PACIFIC	MONTHS REPORTED			
			1/85	2 '85	3/85	

ALL TIMES EXPRESSED IN MINUTES															
APPROACH			LOCK PROCESSING TIME						EXIT		DELAIED	DELAY	DELAY	DELAY	
MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	TOWS	TIME	AVG	MAX
												(TOWS)	(TOWS)	(ALL VSSLS)	

COLUMBIA RIVER

MCNARY LOCK & DAM	2	4	30	2	6	25	8	16	35	2	6	15	:	291	1620	5.6	58
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SNAKE RIVER

ICE HARBOR LOCK & DAM	1	3	15	2	4	27	15	25	48	1	4	12	:	242	1520	6.3	94
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LOWER MONUMENTAL LOCK & DAM	2	4	18	1	6	23	15	27	50	2	5	13	:	171	1137	6.6	90
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LITTLE GOOSE LOCK & DAM	2	4	19	2	4	25	12	15	35	2	6	15	:	170	1208	7.1	418
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LOWER GRANITE LOCK & DAM	1	3	15	2	6	28	9	13	41	1	5	17	:	160	1140	7.1	269
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TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/85 THROUGH 3/85
 INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
H1	HUNTINGTON	OHIO RIVER	1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
KANAWHA RIVER	1-WINFIELD LOCKS & DAM MAIN 1	0360/0056/12.0
	1-WINFIELD LOCKS & DAM MAIN 2	0360/0056/12.0
	2-MARMET LOCKS & DAM MAIN 1	0360/0056/12.0
	2-MARMET LOCKS & DAM MAIN 2	0360/0056/12.0
	3-LONDON LOCKS & DAM MAIN 1	0360/0056/12.0
OHIO RIVER	3-LONDON LOCKS & DAM MAIN 2	0360/0056/12.0
	21-BELLEVILLE LOCKS & DAM	1200/0110/12.0
	21-BELLEVILLE LOCKS & DAM AUX 1	0600/0110/12.0
	22-RACINE LOCKS & DAM	1200/0110/12.0
	22-RACINE LOCKS & DAM AUX 1	0600/0110/12.0
	23-GALLIPOLIS LOCKS & DAM	0600/0110/12.0
	23-GALLIPOLIS LOCKS & DAM AUX 1	0360/0110/12.0
	24-GREENUP LOCKS & DAM	1200/0110/12.0
	24-GREENUP LOCKS & DAM AUX 1	0600/0110/12.0
	25-CAPT ANT MELDAHL LOCKS & DAM	1200/0110/12.0
	25-CAPT ANT MELDAHL LK&DAM AUX 1	0600/0110/12.0
	72-WILLOW ISLAND LOCKS & DAM	1200/0110/12.0
	72-WILLOW ISLAND LOCKS & DAM AUX	0600/0110/12.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC H1	DISTRICT NAME HUNTINGTON			DIVISION NAME OHIO RIVER				MONTHS REPORTED					
								1/85	2/85	3/85			
RIVER/LOCK NAME													
	TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LOCKGS COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL (NAV, OPN, ETC)	TONNAGE (KTONS)	
KANANHA RIVER													
WINFIELD LOCKS & DAM MAIN 1	XXX												
UPBOUND STATISTICS	223	0	6	229	868	373	1241	858	0	7	865	727	
DOWNBOUND STATISTICS	239	0	15	254	227	1285	1512	977	0	3	980	1454	
TOTALS	462	0	21	483	1095	1658	2753	1835	0	10	1845	2182	
WINFIELD LOCKS & DAM MAIN 2	XXX												
UPBOUND STATISTICS	192	0	21	213	901	191	1092	711	0	3	714	313	
DOWNBOUND STATISTICS	163	0	21	184	252	558	810	607	0	3	610	656	
TOTALS	355	0	42	397	1153	749	1902	1318	0	6	1324	969	
MARMET LOCKS & DAM MAIN 1	XXX												
UPBOUND STATISTICS	137	0	4	141	573	49	622	445	0	0	445	85	
DOWNBOUND STATISTICS	178	1	11	190	43	868	911	625	3	0	628	1019	
TOTALS	315	1	15	331	616	917	1533	1070	3	0	1073	1105	
MARMET LOCKS & DAM MAIN 2	XXX												
UPBOUND STATISTICS	177	2	24	203	622	55	677	496	4	2	502	70	
DOWNBOUND STATISTICS	132	0	22	154	53	371	424	350	0	2	352	449	
TOTALS	309	2	46	357	675	426	1101	846	4	4	854	519	
LONDON LOCKS & DAM MAIN 1	XXX												
UPBOUND STATISTICS	44	0	10	54	133	0	133	140	0	0	140	0	
DOWNBOUND STATISTICS	46	0	2	48	2	146	148	142	0	0	142	205	
TOTALS	90	0	12	102	135	146	281	282	0	0	282	205	
LONDON LOCKS & DAM MAIN 2	XXX												
UPBOUND STATISTICS	78	1	8	87	200	1	201	194	2	0	196	0	
DOWNBOUND STATISTICS	85	1	6	92	3	202	205	202	2	0	204	282	
TOTALS	163	2	14	179	203	203	406	396	4	0	400	282	
OHIO RIVER													
BELLEVILLE LOCKS & DAM	XXX												
UPBOUND STATISTICS	366	0	3	369	798	3275	4073	366	0	0	366	4726	
DOWNBOUND STATISTICS	361	0	8	369	1934	2040	3974	364	0	1	365	3182	
TOTALS	727	0	11	738	2732	5315	8047	730	0	1	731	7908	

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC H1	DISTRICT NAME HUNTINGTON	DIVISION NAME OHIO RIVER	MONTHS REPORTED									
			1/85		2/85		3/85					
RIVER/LOCK NAME												
TONS												
VESSL												
VESSL												
VESSL												
BARGS												
BARGS												
BARGES												
LOCKGS												
LCKGES												
LCKGES												
LCKGES												
TONNAGE												
(NAV, OPN, ETC)												
OHIO RIVER												
BELLEVILLE LOCKS & DAM AUX 1												
UPBOUND STATISTICS												
DOWNBOUND STATISTICS												
TOTALS												
RACINE LOCKS & DAM												
UPBOUND STATISTICS												
DOWNBOUND STATISTICS												
TOTALS												
RACINE LOCKS & DAM AUX 1												
UPBOUND STATISTICS												
DOWNBOUND STATISTICS												
TOTALS												
GALLIPOLIS LOCKS & DAM												
UPBOUND STATISTICS												
DOWNBOUND STATISTICS												
TOTALS												
GALLIPOLIS LOCKS & DAM AUX 1												
UPBOUND STATISTICS												
DOWNBOUND STATISTICS												
TOTALS												
GREENUP LOCKS & DAM												
UPBOUND STATISTICS												
DOWNBOUND STATISTICS												
TOTALS												
GREENUP LOCKS & DAM AUX 1												
UPBOUND STATISTICS												
DOWNBOUND STATISTICS												
TOTALS												

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC H1	DISTRICT NAME HUNTINGTON	DIVISION NAME OHIO RIVER						MONTHS REPORTED				
								1/85	2/85		3/85	

RIVER/LOCK NAME	TONS	VESSL RECTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LOCKGS COMMER	LCKGES RECTN	LCKGES OTHER	LCKGES TOTAL (NAV, OPN, ETC)	TONNAGE (KTONS)

OHIO RIVER												
CAPT ANT MELDAHL LOCKS & DAM	xxx											
UPBOUND STATISTICS	486	0	4	490	3244	2028	5272	489	0	0	489	3234
DOWNBOUND STATISTICS	473	0	17	490	883	4062	4945	475	0	0	475	6136
TOTALS	959	0	21	980	4127	6090	10217	964	0	0	964	9370
CAPT ANT MELDAHL LK&DAM AUX 1	xxx											
UPBOUND STATISTICS	10	5	3	18	13	22	35	15	4	0	19	36
DOWNBOUND STATISTICS	14	4	8	26	27	9	36	22	3	0	25	12
TOTALS	24	9	11	44	40	31	71	37	7	0	44	49
WILLOW ISLAND LOCKS & DAM	xxx											
UPBOUND STATISTICS	352	0	4	356	813	3029	3842	352	0	0	352	4228
DOWNBOUND STATISTICS	355	0	8	363	1710	2090	3800	356	0	0	356	3137
TOTALS	707	0	12	719	2523	5119	7642	708	0	0	708	7366
WILLOW ISLAND LOCKS & DAM AUX	xxx											
UPBOUND STATISTICS	38	1	12	51	61	64	125	51	1	2	54	66
DOWNBOUND STATISTICS	45	1	9	55	97	47	144	54	0	3	57	51
TOTALS	83	2	21	106	158	111	269	105	1	5	111	117

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC H1	DISTRICT NAME HUNTINGTON			DIVISION NAME OHIO RIVER									MONTHS REPORTED							
													1/85			2/85			3/85	
ALL TIMES EXPRESSED IN MINUTES																				
APPROACH			LOCK ENTRY			PROCESSING TIME CHAMBER			EXIT			DELA	DELAY	DELAY	DELAY					
MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	TOWS	TIME	AVG	MAX					
(TOWS)																				
KANAWHA RIVER																				
WINFIELD LOCKS & DAM MAIN 1	1	10	73	1	5	33	5	9	45	3	13	267	:	275	44273	95.8	945			
WINFIELD LOCKS & DAM MAIN 2	1	11	240	1	5	45	5	9	27	2	11	55	:	141	19167	54.0	630			
MARMET LOCKS & DAM MAIN 1	1	10	47	2	5	16	5	8	24	1	9	38	:	24	2444	7.8	293			
MARMET LOCKS & DAM MAIN 2	1	9	52	1	5	14	5	8	18	1	8	27	:	37	2236	7.2	160			
LONDON LOCKS & DAM MAIN 1	1	7	32	1	5	17	5	9	30	1	9	58	:	19	3657	40.6	670			
LONDON LOCKS & DAM MAIN 2	1	8	40	1	5	20	5	9	169	2	8	45	:	23	3113	19.1	585			
OHIO RIVER																				
BELLEVILLE LOCKS & DAM	1	17	60	1	9	29	8	12	32	2	8	26	:	218	8716	12.0	139			
BELLEVILLE LOCKS & DAM AUX 1	5	15	39	1	5	11	9	12	22	1	5	15	:	0	0	.0	0			
RACINE LOCKS & DAM	1	18	212	2	12	45	7	12	88	2	10	152	:	236	15696	21.1	610			
RACINE LOCKS & DAM AUX 1	1	11	22	2	6	12	7	11	68	4	7	14	:	2	33	.7	20			
GALLIPOLIS LOCKS & DAM	1	10	112	1	12	42	5	10	32	1	19	81	:	557	93090	115.4	1150			
GALLIPOLIS LOCKS & DAM AUX 1	1	8	48	2	5	20	5	11	19	1	6	43	:	3	131	2.3	95			
GREENUP LOCKS & DAM	1	15	57	3	9	41	6	11	59	3	10	40	:	350	14266	14.8	311			
GREENUP LOCKS & DAM AUX 1	1	11	49	2	6	14	5	10	21	1	6	16	:	6	89	.7	20			
CAPT ANT MELDAHL LOCKS & DAM	1	20	60	2	10	25	6	12	35	2	12	30	:	423	36035	37.6	1245			

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
H1	HUNTINGTON	OHIO RIVER	1/85	2/85	3/85

ALL TIMES EXPRESSED IN MINUTES

APPROACH			LOCK PROCESSING TIME			EXIT			TOWS			DELA	DELA	DELA
MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	(TOWS)	(TOWS)	(ALL

OHIO RIVER

CAPT ANT MELDAHL LK&DAM AUX	1	14	37	1	4	11	8	12	22	1	6	17	0	0	.0
WILLOW ISLAND LOCKS & DAM	1	16	55	1	9	30	5	13	39	2	10	30	209	10005	14.2
WILLOW ISLAND LOCKS & DAM AU	1	15	47	1	4	13	7	13	25	1	7	28	9	174	2.1

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED	
H2	LOUISVILLE	OHIO RIVER	1/85	2/85 3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
GREEN/BARREN RIVER	21-LOCK & DAM 1	0600/0084/12.0
	22-LOCK & DAM 2	0600/0084/12.0
OHIO RIVER	41-MARKLAND LOCKS & DAM	1200/0110/12.0
	41-MARKLAND LOCKS & DAM AUX 1	0600/0110/12.0
	42-MCALPINE LOCKS & DAM	1200/0110/12.0
	42-MCALPINE LOCKS & DAM AUX 1	0600/0110/12.0
	75-CANNELTON LOCK & DAM	1200/0110/12.0
	75-CANNELTON LOCK & DAM AUX	0600/0110/12.0
	76-NEUBURGH LOCK & DAM	1200/0110/12.0
	76-NEUBURGH LOCK & DAM AUX 1	0600/0110/12.0
	77-UNIONTOWN LOCK & DAM	1200/0110/12.0
	77-UNIONTOWN LOCK & DAM AUX 1	0600/0110/12.0
	78-SMITHLAND LOCK & DAM	1200/0110/12.0
	78-SMITHLAND LOCK & DAM AUX 1	1200/0110/12.0
	52-LOCK & DAM 52	1200/0110/12.0
	52-LOCK & DAM 52 AUX 1	0600/0110/12.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC H2	DISTRICT NAME LOUISVILLE	DIVISION NAME OHIO RIVER		MONTHS REPORTED								
				1/85	2/85	3/85						
RIVER/LOCK NAME	TONS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LOCKGS CONMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
(NAV, OPN, ETC)												
GREEN/BARREN RIVER												
LOCK & DAM 1	xxx											
UPBOUND STATISTICS	425	0	18	443	1325	222	1547	275	0	157	432	328
DOWNBOUND STATISTICS	410	0	11	421	85	1432	1517	280	0	141	421	2148
TOTALS	835	0	29	864	1410	1654	3064	555	0	298	853	2476
LOCK & DAM 2	xxx											
UPBOUND STATISTICS	283	5	6	294	1018	47	1065	276	3	15	294	68
DOWNBOUND STATISTICS	274	9	8	291	35	991	1026	271	5	13	289	1486
TOTALS	557	14	14	585	1053	1038	2091	547	8	28	583	1555
OHIO RIVER												
MARKLAND LOCKS & DAM	xxx											
UPBOUND STATISTICS	489	0	6	495	2758	2515	5273	494	0	0	494	3995
DOWNBOUND STATISTICS	482	1	5	488	835	4212	5047	486	0	0	486	6317
TOTALS	971	1	11	983	3593	6727	10320	980	0	0	980	10313
MARKLAND LOCKS & DAM AUX 1	xxx											
UPBOUND STATISTICS	18	9	0	27	16	24	40	19	9	0	28	38
DOWNBOUND STATISTICS	24	13	6	43	31	15	46	31	12	0	43	21
TOTALS	42	22	6	70	47	39	86	50	21	0	71	60
MCALPINE LOCKS & DAM	xxx											
UPBOUND STATISTICS	574	4	54	632	2209	3503	5712	614	3	1	618	5439
DOWNBOUND STATISTICS	569	3	64	636	1129	4244	5373	611	2	1	614	6339
TOTALS	1143	7	118	1268	3338	7747	11085	1225	5	2	1232	11779
MCALPINE LOCKS & DAM AUX 1	NO DATA RECORDED FOR THIS LOCK											
CANNELTON LOCK & DAM	xxx											
UPBOUND STATISTICS	538	2	10	550	2170	3652	5822	541	0	0	541	5696
DOWNBOUND STATISTICS	522	2	10	534	1153	4386	5539	524	1	0	525	6313
TOTALS	1060	4	20	1084	3323	8038	11361	1065	1	0	1066	12009

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC H2	DISTRICT NAME LOUISVILLE	DIVISION NAME OHIO RIVER	MONTHS REPORTED									
			1/85		2/85		3/85					
RIVER/LOCK NAME												
TONS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LOCKGS COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL (NAV, OPN, ETC)	TONNAGE (KTONS)	
OHIO RIVER												
CANNELTON LOCK & DAM AUX												
UPBOUND STATISTICS	26	2	5	33	59	13	72	31	1	0	32	22
DOWNBOUND STATISTICS	35	3	11	49	34	69	103	48	2	0	50	83
TOTALS	61	5	16	82	93	82	175	79	3	0	82	106
NEWBURGH LOCK & DAM												
UPBOUND STATISTICS	657	0	31	688	2894	3853	6747	663	0	0	663	6000
DOWNBOUND STATISTICS	662	1	33	696	1534	4915	6449	668	0	0	668	7018
TOTALS	1319	1	64	1384	4428	8768	13196	1331	0	0	1331	13018
NEWBURGH LOCK & DAM AUX 1												
UPBOUND STATISTICS	51	5	28	84	44	85	129	73	3	2	78	127
DOWNBOUND STATISTICS	47	8	25	80	84	29	113	66	7	2	75	39
TOTALS	98	13	53	164	128	114	242	139	10	4	153	167
UNIONTOWN LOCK & DAM												
UPBOUND STATISTICS	749	2	10	761	4977	3296	8273	751	0	0	751	5247
DOWNBOUND STATISTICS	745	0	17	762	1112	6827	7939	751	0	0	751	10494
TOTALS	1494	2	27	1523	6089	10123	16212	1502	0	0	1502	15741
UNIONTOWN LOCK & DAM AUX 1												
UPBOUND STATISTICS	25	30	18	73	36	24	60	39	27	1	67	35
DOWNBOUND STATISTICS	13	23	24	60	10	23	33	31	21	2	54	34
TOTALS	38	53	42	133	46	47	93	70	48	3	121	70
SMITHLAND LOCK & DAM												
UPBOUND STATISTICS	139	2	14	155	839	384	1223	152	1	0	153	583
DOWNBOUND STATISTICS	722	6	25	753	871	6621	7492	734	3	1	738	10291
TOTALS	861	8	39	908	1710	7005	8715	886	4	1	891	10874
SMITHLAND LOCK & DAM AUX 1												
UPBOUND STATISTICS	727	0	19	746	5020	2755	7775	739	0	1	740	4404
DOWNBOUND STATISTICS	144	1	13	158	281	1114	1395	151	1	0	152	1721
TOTALS	871	1	32	904	5301	3869	9170	890	1	1	892	6126

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC H2	DISTRICT NAME LOUISVILLE	DIVISION NAME OHIO RIVER	MONTHS REPORTED									
			1/85		2/85		3/85					

RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LOCKGS	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, DPN, ETC)												

OHIO RIVER												
LOCK & DAM 52	***											
UPBOUND STATISTICS	997	0	150	1147	5522	4537	10059	74	0	987	1061	7036
DOWNBOUND STATISTICS	1030	0	120	1150	2168	7738	9906	82	0	1021	1103	11526
TOTALS	2027	0	270	2297	7690	12275	19965	156	0	2008	2164	18562
LOCK & DAM 52 AUX 1	***	ONLY FIRST MONTH REPORTED										
UPBOUND STATISTICS	4	0	2	6	8	4	12	5	0	0	5	7
DOWNBOUND STATISTICS	6	0	0	6	7	3	10	6	0	0	6	4
TOTALS	10	0	2	12	15	7	22	11	0	0	11	12

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC H2	DISTRICT NAME			DIVISION NAME			MONTHS REPORTED										
	LOUISVILLE			OHIO RIVER			1/85			2/85			3/85				
ALL TIMES EXPRESSED IN MINUTES																	
APPROACH			LOCK PROCESSING TIME						EXIT			: DELAYED		DELAY	DELAY	DELAY	
MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	: TOWS	TIME	(TOWS)	(TOWS)	(ALL VSSLS)	
GREEN/BARREN RIVER																	
LOCK & DAM 1	1	4	20	1	2	10	1	6	36	1	4	47 :	55	1011	1.2	40	
LOCK & DAM 2	1	4	45	1	3	15	1	11	45	1	4	22 :	51	1123	2.0	70	
OHIO RIVER																	
MARKLAND LOCKS & DAM	1	22	60	1	8	30	5	13	49	2	9	50 :	463	31806	32.8	701	
MARKLAND LOCKS & DAM AUX 1	1	18	60	1	4	18	7	14	175	1	8	40 :	1	14	.3	17	
MCALPINE LOCKS & DAM	1	17	70	1	9	40	1	11	60	1	8	51 :	615	50730	44.4	675	
MCALPINE LOCKS & DAM AUX 1	NO DATA RECORDED FOR THIS LOCK																
CANNELTON LOCK & DAM	1	24	190	2	8	30	5	10	60	1	8	50 :	579	73631	69.5	1400	
CANNELTON LOCK & DAM AUX	2	22	60	2	4	15	5	10	30	1	5	26 :	7	219	3.6	50	
NEWBURGH LOCK & DAM	1	16	85	1	9	37	5	7	60	2	11	51 :	694	77538	58.8	1969	
NEWBURGH LOCK & DAM AUX 1	1	15	45	1	5	16	5	7	22	1	8	25 :	7	830	8.5	16291	
UNIONTOWN LOCK & DAM	1	18	436	1	7	30	2	8	34	1	7	42 :	844	83990	56.2	1358	
UNIONTOWN LOCK & DAM AUX 1	1	10	147	1	5	318	2	10	210	1	3	20 :	6	2355	62.0	820	
SMITHLAND LOCK & DAM	1	19	960	1	10	125	5	10	470	2	9	110 :	223	29652	34.4	1055	
SMITHLAND LOCK & DAM AUX 1	1	14	315	1	9	90	5	10	70	1	9	210 :	242	31538	36.2	825	
LOCK & DAM 52	1	4	55	1	2	85	1	3	60	1	4	67 :	151	78753	38.9	1575	

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/85 THROUGH 3/85
 INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
H2	LOUISVILLE	OHIO RIVER	1/85	2/85	3/85

ALL TIMES EXPRESSED IN MINUTES

APPROACH		LOCK PROCESSING TIME				EXIT		TOWS		DELAIED DELAY	DELAY	DELAY	
MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	MAX	TIME	AVG	MAX
(TOWS) (TOWS) (ALL VSSLS)													

OHIO RIVER

LOCK & DAM 52 AUX 1	5	9	20	1	15	80	5	12	20	3	11	35	:	5	395	39.5	235
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TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/85 THROUGH 3/85
 INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
H3	NASHVILLE	OHIO RIVER	1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
CLINCH RIVER	11-MELTON HILL LOCK	0400/0075/11.0
CUMBERLAND RIVER	21-BARKLEY LOCK	0800/0110/11.0
	22-CHEATHAM LOCK	0800/0110/11.0
	23-CORDELL HULL LOCK	0400/0084/11.0
	24-OLD HICKORY LOCK	0400/0084/11.0
TENNESSEE RIVER	1-KENTUCKY LOCK	0600/0110/11.0
	2-PICKWICK LANDING LOCK	1000/0110/11.0
	2-PICKWICK LANDING LOCK AUX	0600/0110/11.0
	3-WILSON LOCK	0600/0110/11.0
	3-WILSON LOCK AUX	0292/0060/11.0
	4-GEN JOS WHEELER LOCK	0600/0110/11.0
	4-GEN JOS WHEELER LK AUX1	0400/0060/11.0
	5-GUNTERSVILLE LOCK	0600/0110/11.0
	5-GUNTERSVILLE LOCK AUX 1	0360/0060/11.0
	6-NICKAJAC LOCK	0600/0119/11.0
	7-CHICKAMAUGA LOCK	0360/0060/11.0
	8-WATTS BAR LOCK	0360/0060/11.0
	9-FORT LOUDON LOCK	0360/0060/11.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC H3	DISTRICT NAME NASHVILLE	DIVISION NAME OHIO RIVER	MONTHS REPORTED									
			1/85		2/85		3/85					
RIVER/LOCK NAME												
TOMS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LOCKGS COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)	
(NAV, OPN, ETC)												
CLINCH RIVER												
MELTON HILL LOCK	XXX											
UPBOUND STATISTICS	0	3	0	3	0	0	0	3	3	6	0	
DOWNBOUND STATISTICS	0	3	0	3	0	0	0	3	3	6	0	
TOTALS	0	6	0	6	0	0	0	6	6	12	0	
CUMBERLAND RIVER												
BARKLEY LOCK	XXX											
UPBOUND STATISTICS	30	5	2	37	15	191	206	32	5	0	266	
DOWNBOUND STATISTICS	59	5	6	70	523	17	540	83	5	0	21	
TOTALS	89	10	8	107	538	208	746	115	10	0	288	
CHEATHAM LOCK	XXX											
UPBOUND STATISTICS	76	12	0	88	45	405	450	79	12	4	650	
DOWNBOUND STATISTICS	72	11	1	84	380	37	417	77	10	5	49	
TOTALS	148	23	1	172	425	442	867	156	22	9	700	
CORDELL HULL LOCK	XXX											
UPBOUND STATISTICS	13	8	5	26	25	2	27	20	7	1	1	
DOWNBOUND STATISTICS	17	9	1	27	2	27	29	19	9	1	35	
TOTALS	30	17	6	53	27	29	56	39	16	2	37	
OLD HICKORY LOCK	XXX											
UPBOUND STATISTICS	20	47	12	79	12	26	38	34	36	3	39	
DOWNBOUND STATISTICS	20	35	12	67	31	5	36	35	31	4	6	
TOTALS	40	82	24	146	43	31	74	69	67	7	45	
TENNESSEE RIVER												
KENTUCKY LOCK	XXX											
UPBOUND STATISTICS	383	5	33	421	596	2742	3338	598	5	1	4075	
DOWNBOUND STATISTICS	351	2	26	379	2180	854	3034	557	1	0	1182	
TOTALS	734	7	59	800	2776	3596	6372	1155	6	1	5257	

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC H3	DISTRICT NAME NASHVILLE	DIVISION NAME OHIO RIVER	MONTHS REPORTED									
							1/85		2/85		3/85	
RIVER/LOCK NAME												
	TOWS	VESSL RECTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LOCKGS COMMER	LCKGES RECTN	LCKGES OTHER	LCKGES TOTAL (NAV, OPN, ETC)	TONNAGE (KTONS)
TENNESSEE RIVER												
PICKWICK LANDING LOCK	xxx											
UPBOUND STATISTICS	0	3	0	3	0	0	0	0	3	0	3	0
DOWNBOUND STATISTICS	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	0	3	0	3	0	0	0	0	3	0	3	0
PICKWICK LANDING LOCK AUX	xxx											
UPBOUND STATISTICS	249	12	6	267	146	2092	2238	392	15	20	427	3057
DOWNBOUND STATISTICS	242	16	18	276	1952	394	2346	402	20	22	444	550
TOTALS	491	28	24	543	2098	2486	4584	794	35	42	871	3607
WILSON LOCK	xxx											
UPBOUND STATISTICS	126	13	40	179	198	809	1007	207	16	6	229	1147
DOWNBOUND STATISTICS	138	19	30	187	718	376	1094	222	22	12	256	520
TOTALS	264	32	70	366	916	1185	2101	429	38	18	485	1668
WILSON LOCK AUX	NO DATA RECORDED FOR THIS LOCK											
GEN JOS WHEELER LOCK	xxx											
UPBOUND STATISTICS	114	7	5	126	186	745	931	164	8	9	181	1057
DOWNBOUND STATISTICS	118	7	3	128	672	365	1037	186	4	7	197	505
TOTALS	232	14	8	254	858	1110	1968	350	12	16	378	1562
GEN JOS WHEELER LK	AUX1	xxx										
UPBOUND STATISTICS	0	19	1	20	0	0	0	3	15	3	21	0
DOWNBOUND STATISTICS	0	22	2	24	0	0	0	3	22	3	28	0
TOTALS	0	41	3	44	0	0	0	6	37	6	49	1
GUNTERSVILLE LOCK	xxx											
UPBOUND STATISTICS	117	28	4	149	265	610	875	158	16	9	183	870
DOWNBOUND STATISTICS	113	38	6	157	550	403	953	168	31	7	206	553
TOTALS	230	66	10	306	815	1013	1828	326	47	16	389	1423
GUNTERSVILLE LOCK	AUX 1	xxx										
UPBOUND STATISTICS	0	53	0	53	0	0	0	2	41	2	45	0
DOWNBOUND STATISTICS	0	50	0	50	0	0	0	2	43	3	48	0
TOTALS	0	103	0	103	0	0	0	4	84	5	93	0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC H3	DISTRICT NAME NASHVILLE	DIVISION NAME OHIO RIVER	MONTHS REPORTED									
			1/85		2/85		3/85					
RIVER/LOCK NAME												
TONS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LOCKGS COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)	
(NAV, OPN, ETC)												
TENNESSEE RIVER												
NICKAJAC LOCK	xxx											
UPBOUND STATISTICS	133	9	7	149	402	528	930	173	10	6	189	705
DOWNBOUND STATISTICS	137	21	4	162	529	461	990	178	17	6	201	637
TOTALS	270	30	11	311	931	989	1920	351	27	12	390	1342
CHICKAMAUGA LOCK	xxx											
UPBOUND STATISTICS	53	28	2	83	75	223	298	215	89	27	331	303
DOWNBOUND STATISTICS	51	36	2	89	202	84	286	203	106	19	328	119
TOTALS	104	64	4	172	277	307	584	418	195	46	659	423
WATTS BAR LOCK	xxx											
UPBOUND STATISTICS	38	9	0	47	85	68	153	116	24	30	170	111
DOWNBOUND STATISTICS	36	19	1	56	54	98	152	109	39	24	172	134
TOTALS	74	28	1	103	139	166	305	225	63	54	342	245
FORT LOUDON LOCK	xxx											
UPBOUND STATISTICS	27	22	4	53	17	63	80	64	35	11	110	102
DOWNBOUND STATISTICS	28	28	3	59	57	31	88	66	43	12	121	43
TOTALS	55	50	7	112	74	94	168	130	78	23	231	145

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC H3	DISTRICT NAME NASHVILLE	DIVISION NAME OHIO RIVER	MONTHS REPORTED																		
			1/85					2/85					3/85								
			ALL TIMES EXPRESSED IN MINUTES																		
APPROACH			LOCK ENTRY			PROCESSING TIME CHAMBER			EXIT			:	DELAYED TONS	DELAY TIME (TONS)	DELAY AVG (TONS)	DELAY MAX (ALL VSSLS)					
MIN	AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	MAX	:						
CLINCH RIVER																					
MELTON HILL LOCK			1	6	18		1	2	4	12	14	18		1	2	5	:	0	0	.0	0
CUMBERLAND RIVER																					
BARKLEY LOCK			1	13	45		1	10	32	6	15	199		1	10	56	:	4	436	4.9	305
CHEATHAM LOCK			1	10	110		2	11	44	8	16	29		1	8	109	:	7	169	1.1	40
CORDELL HULL LOCK			1	6	29		1	4	30	6	16	31		1	5	24	:	1	32	1.1	32
OLD HICKORY LOCK			1	4	22		1	5	27	12	16	28		1	4	23	:	0	0	.0	140
TENNESSEE RIVER																					
KENTUCKY LOCK			1	9	189		1	12	89	6	17	74		1	18	86	:	458	71926	98.0	920
PICKWICK LANDING LOCK			6	7	9		3	5	6	8	21	40		6	6	8	:	0	0	.0	0
PICKWICK LANDING LOCK AUX			1	9	67		2	12	45	6	17	44		1	18	78	:	239	27875	56.8	483
WILSON LOCK			1	11	85		1	14	86	8	23	214		1	16	98	:	96	13049	49.4	675
WILSON LOCK AUX			NO DATA RECORDED FOR THIS LOCK																		
GEN JOS WHEELER LOCK			1	15	134		1	14	66	9	14	45		4	18	76	:	62	6309	27.2	432
GEN JOS WHEELER LK	AUX		1	9	24		2	4	11	9	12	18		2	5	10	:	0	0	.0	88
GUNTERSVILLE LOCK			1	10	59		1	12	77	8	15	75		1	16	61	:	48	3993	17.4	305
GUNTERSVILLE LOCK	AUX		1	6	24		1	3	17	10	12	21		1	3	7	:	0	0	.0	30
NICKAJAC LOCK			1	10	76		2	12	53	6	14	21		2	14	56	:	42	2096	7.8	138

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
H3	NASHVILLE	OHIO RIVER	1/85	2/85	3/85

ALL TIMES EXPRESSED IN MINUTES

APPROACH			LOCK PROCESSING TIME			EXIT			DELAIED	DELAY	DELAY	DELAY
			ENTRY			CHAMBER			TOWS	TIME	AVG	MAX
MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	(ALL VSSLS)

TENNESSEE RIVER

CHICKAMAUGA LOCK	1	8	76	1	6	19	8	13	43	2	10	52	29	7156	68.8	864
WATTS BAR LOCK	1	7	59	1	6	21	11	15	23	1	10	45	14	1825	24.7	360
FORT LOUDON LOCK	1	11	95	1	4	18	15	20	39	1	10	101	6	365	6.6	120

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER	MONTHS REPORTED		
			1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
ALLEGHENY RIVER	42-LOCK & DAM 2	0360/0056/13.0
	43-LOCK & DAM 3	0360/0056/13.0
	44-LOCK & DAM 4	0360/0056/13.0
	45-LOCK & DAM 5	0360/0056/13.0
	46-LOCK & DAM 6	0360/0056/13.0
	47-LOCK & DAM 7	0360/0056/13.0
	48-LOCK & DAM 8	0360/0056/13.0
	49-LOCK & DAM 9	0360/0056/13.0
MONONGAHELA RIVER	22-LOCK & DAM 2	0720/0110/13.0
	22-LOCK & DAM 2 AUX 1	0360/0056/13.0
	23-LOCK & DAM 3	0720/0056/13.0
	23-LOCK & DAM 3 AUXILIARY 1	0360/0056/13.0
	24-LOCK & DAM 4	0720/0056/13.0
	24-LOCK & DAM 4 AUXILIARY 1	0360/0056/13.0
	25-MAXWELL LOCK & DAM	0720/0084/13.0
	25-MAXWELL LOCK & DAM AUX 1	0720/0084/13.0
	27-LOCK & DAM 7	0360/0056/13.0
	28-LOCK & DAM 8	0360/0056/13.0
	29-MORGANTOWN LOCK & DAM	0600/0084/13.0
	30-HILDEBRAND LOCK & DAM	0600/0084/13.0
	31-OPEKISKA LOCK & DAM	0600/0084/13.0
OHIO RIVER	1-ENSMORTH LOCK & DAM	0600/0110/13.0
	1-ENSMORTH LOCK & DAM AUX 1	0360/0056/13.0
	2-DASHIELDS LOCK & DAM	0600/0110/13.0
	2-DASHIELDS LOCK & DAM AUX 1	0360/0056/13.0
	3-MONTGOMERY LOCK & DAM	0600/0110/13.0
	3-MONTGOMERY LOCK & DAM AUX 1	0360/0056/13.0
	4-NEW CUMBERLAND LOCK & DAM	1200/0110/13.0
	4-NEW CUMBERLAND LK & DAM AUX 1	0600/0110/13.0
	5-PIKE ISLAND LOCK & DAM	1200/0110/13.0
	5-PIKE ISLAND LOCK & DAM AUX 1	0600/0110/13.0
	71-HANNIBAL LOCKS & DAM	1200/0110/13.0
	71-HANNIBAL LOCKS & DAM AUX 1	0600/0110/13.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER	MONTHS REPORTED											
			1/85		2/85		3/85							

RIVER/LOCK NAME	TOMS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LOCKGS	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)		
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL (NAV, OPN, ETC)			

ALLEGHENY RIVER														
LOCK & DAM 2	xxx													
UPBOUND STATISTICS	189	3	18	210	152	347	499	307	4	0	311	386		
DOWNBOUND STATISTICS	179	3	26	208	340	163	503	300	4	0	304	117		
TOTALS	368	6	44	418	492	510	1002	607	8	0	615	504		
LOCK & DAM 3	xxx													
UPBOUND STATISTICS	190	0	17	207	144	364	508	318	0	0	318	410		
DOWNBOUND STATISTICS	184	0	23	207	362	162	524	316	0	0	316	117		
TOTALS	374	0	40	414	506	526	1032	634	0	0	634	528		
LOCK & DAM 4	xxx													
UPBOUND STATISTICS	124	0	15	139	164	112	276	194	0	0	194	165		
DOWNBOUND STATISTICS	119	0	20	139	98	185	283	194	0	0	194	128		
TOTALS	243	0	35	278	262	297	559	388	0	0	388	293		
LOCK & DAM 5	xxx	ONLY FIRST AND THIRD MONTHS REPORTED												
UPBOUND STATISTICS	39	0	4	43	132	1	133	44	0	0	44	0		
DOWNBOUND STATISTICS	39	0	4	43	12	134	146	44	0	0	44	56		
TOTALS	78	0	8	86	144	135	279	88	0	0	88	56		
LOCK & DAM 6	xxx	ONLY FIRST AND THIRD MONTHS REPORTED												
UPBOUND STATISTICS	38	0	4	42	129	2	131	43	0	0	43	2		
DOWNBOUND STATISTICS	38	0	5	43	9	135	144	44	0	0	44	57		
TOTALS	76	0	9	85	138	137	275	87	0	0	87	59		
LOCK & DAM 7	xxx	ONLY FIRST AND THIRD MONTHS REPORTED												
UPBOUND STATISTICS	1	0	1	2	2	0	2	2	0	0	2	0		
DOWNBOUND STATISTICS	3	0	0	3	4	3	7	3	0	0	3	1		
TOTALS	4	0	1	5	6	3	9	5	0	0	5	1		
LOCK & DAM 8	NO DATA RECORDED FOR THIS LOCK													

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER	MONTHS REPORTED											
			1/85		2/85		3/85							

RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LOCKGS	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)	
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL			
(NAV, OPN, ETC)														

ALLEGHENY RIVER														
LOCK & DAM 9		NO DATA RECORDED FOR THIS LOCK												
MONONGAHELA RIVER														
LOCK & DAM 2		XXX												
UPBOUND STATISTICS		359	0	5	364	1277	844	2121	390	0	0	390	1156	
DOWNBOUND STATISTICS		372	0	3	375	532	1629	2161	403	0	0	403	1709	
TOTALS		731	0	8	739	1809	2473	4282	793	0	0	793	2866	
LOCK & DAM 2 AUX 1		XXX												
UPBOUND STATISTICS		163	0	73	236	320	142	462	334	0	0	334	167	
DOWNBOUND STATISTICS		154	0	62	216	143	297	440	339	0	0	339	308	
TOTALS		317	0	135	452	463	439	902	673	0	0	673	476	
LOCK & DAM 3		XXX												
UPBOUND STATISTICS		664	0	14	678	2850	393	3243	666	0	0	666	505	
DOWNBOUND STATISTICS		690	0	8	698	259	3061	3320	692	0	0	692	3070	
TOTALS		1354	0	22	1376	3109	3454	6563	1358	0	0	1358	3575	
LOCK & DAM 3 AUXILIARY 1		XXX												
UPBOUND STATISTICS		135	2	97	234	167	50	217	228	1	0	229	53	
DOWNBOUND STATISTICS		101	2	113	216	58	100	158	209	2	0	211	102	
TOTALS		236	4	210	450	225	150	375	437	3	0	440	155	
LOCK & DAM 4		XXX												
UPBOUND STATISTICS		564	0	10	574	2779	265	3044	579	0	0	579	285	
DOWNBOUND STATISTICS		606	0	8	614	163	2952	3115	615	0	0	615	2925	
TOTALS		1170	0	18	1188	2942	3217	6159	1194	0	0	1194	3211	
LOCK & DAM 4 AUXILIARY 1		XXX												
UPBOUND STATISTICS		65	1	38	104	90	27	117	102	0	0	102	24	
DOWNBOUND STATISTICS		28	1	47	76	20	24	44	74	0	0	74	24	
TOTALS		93	2	85	180	110	51	161	176	0	0	176	49	

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER	MONTHS REPORTED									
			1/85			2/85			3/85			

RIVER/LOCK NAME	TOMS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGS	LOCKGS	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												

MONONGAHELA RIVER												
MAXWELL LOCK & DAM	xxx											
UPBOUND STATISTICS	485	2	5	492	2406	217	2623	490	1	0	491	243
DOWNBOUND STATISTICS	141	3	9	153	47	659	706	146	3	0	149	648
TOTALS	626	5	14	645	2453	876	3329	636	4	0	640	891
MAXWELL LOCK & DAM AUX 1	xxx											
UPBOUND STATISTICS	95	5	3	103	443	39	482	97	4	0	101	39
DOWNBOUND STATISTICS	427	1	4	432	111	2199	2310	430	1	0	431	2160
TOTALS	522	6	7	535	554	2238	2792	527	5	0	532	2200
LOCK & DAM 7	xxx											
UPBOUND STATISTICS	554	0	30	584	2152	221	2373	1012	0	0	1012	250
DOWNBOUND STATISTICS	540	0	39	579	174	2097	2271	1023	0	0	1023	2043
TOTALS	1094	0	69	1163	2326	2318	4644	2035	0	0	2035	2293
LOCK & DAM 8	xxx											
UPBOUND STATISTICS	479	0	25	504	1765	221	1986	847	0	0	847	247
DOWNBOUND STATISTICS	474	0	24	498	174	1741	1915	866	0	0	866	1671
TOTALS	953	0	49	1002	1939	1962	3901	1713	0	0	1713	1919
MORGANTOWN LOCK & DAM	xxx											
UPBOUND STATISTICS	47	14	3	64	155	8	163	51	7	0	58	8
DOWNBOUND STATISTICS	42	13	9	64	8	146	154	51	7	0	58	141
TOTALS	89	27	12	128	163	154	317	102	14	0	116	150
HILDEBRAND LOCK & DAM	xxx											
UPBOUND STATISTICS	31	2	2	35	84	4	88	34	1	0	35	4
DOWNBOUND STATISTICS	29	1	7	37	6	81	87	34	0	0	34	83
TOTALS	60	3	9	72	90	85	175	68	1	0	69	87
OPEKISKA LOCK & DAM	xxx	ONLY SECOND AND THIRD MONTHS REPORTED										
UPBOUND STATISTICS	5	4	0	9	2	4	6	6	3	0	9	4
DOWNBOUND STATISTICS	3	4	2	9	6	0	6	6	3	0	9	0
TOTALS	8	8	2	18	8	4	12	12	6	0	18	4

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER	MONTHS REPORTED									
			1/85			2/85			3/85			

RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LOCKGS	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												

OHIO RIVER												
EMSWORTH LOCK & DAM	xxx											
UPBOUND STATISTICS	474	0	33	507	1047	1479	2526	538	0	2	540	1898
DOWNBOUND STATISTICS	465	0	29	494	1066	1438	2504	542	0	2	544	1625
TOTALS	939	0	62	1001	2113	2917	5030	1080	0	4	1084	3524
EMSWORTH LOCK & DAM AUX 1	xxx											
UPBOUND STATISTICS	86	0	77	163	53	64	117	165	0	0	165	68
DOWNBOUND STATISTICS	98	0	62	160	115	24	139	165	0	0	165	28
TOTALS	184	0	139	323	168	88	256	330	0	0	330	97
DASHIELDS LOCK & DAM	xxx											
UPBOUND STATISTICS	391	0	18	409	948	1421	2369	460	0	2	462	1910
DOWNBOUND STATISTICS	388	1	17	406	1001	1365	2366	457	1	2	460	1511
TOTALS	779	1	35	815	1949	2786	4735	917	1	4	922	3422
DASHIELDS LOCK & DAM AUX 1	xxx											
UPBOUND STATISTICS	134	2	80	216	154	126	280	246	2	1	249	125
DOWNBOUND STATISTICS	129	2	88	219	178	118	296	285	2	1	288	120
TOTALS	263	4	168	435	332	244	576	531	4	2	537	245
MONTGOMERY LOCK & DAM	xxx											
UPBOUND STATISTICS	417	0	27	444	1025	1564	2589	518	0	2	520	2186
DOWNBOUND STATISTICS	420	0	18	438	1101	1411	2512	516	0	1	517	1657
TOTALS	837	0	45	882	2126	2975	5101	1034	0	3	1037	3844
MONTGOMERY LOCK & DAM AUX 1	xxx											
UPBOUND STATISTICS	64	2	53	119	43	39	82	119	1	0	120	39
DOWNBOUND STATISTICS	50	0	58	108	47	19	66	107	0	2	109	20
TOTALS	114	2	111	227	90	58	148	226	1	2	229	59
NEW CUMBERLAND LOCK & DAM	xxx											
UPBOUND STATISTICS	296	0	24	320	259	2268	2527	308	0	0	308	3415
DOWNBOUND STATISTICS	296	1	25	322	1642	826	2468	305	0	1	306	1092
TOTALS	592	1	49	642	1901	3094	4995	613	0	1	614	4507

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER						MONTHS REPORTED				
								1/85	2/85	3/85		
RIVER/LOCK NAME												
	TONS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LOCKGS COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS) (NAV, OPN, ETC)
OHIO RIVER												
NEW CUMBERLAND LK & DAM AUX 1	xxx											
UPBOUND STATISTICS	103	3	23	129	164	263	427	136	2	2	140	360
DOWNBOUND STATISTICS	115	3	23	141	308	131	439	145	3	3	151	154
TOTALS	218	6	46	270	472	394	866	281	5	5	291	515
PIKE ISLAND LOCK & DAM	xxx											
UPBOUND STATISTICS	368	0	37	405	255	3346	3601	391	0	0	391	4775
DOWNBOUND STATISTICS	378	0	26	404	2407	1087	3494	389	0	1	390	1483
TOTALS	746	0	63	809	2662	4433	7095	780	0	1	781	6258
PIKE ISLAND LOCK & DAM AUX 1	xxx											
UPBOUND STATISTICS	51	0	20	71	56	95	151	72	0	2	74	120
DOWNBOUND STATISTICS	63	1	17	81	103	66	169	78	0	0	78	69
TOTALS	114	1	37	152	159	161	320	150	0	2	152	190
HANNIBAL LOCKS & DAM	xxx											
UPBOUND STATISTICS	327	0	3	330	740	2949	3689	328	0	3	331	4187
DOWNBOUND STATISTICS	328	0	11	339	1671	1980	3651	330	0	0	330	2782
TOTALS	655	0	14	669	2411	4929	7340	658	0	3	661	6970
HANNIBAL LOCKS & DAM AUX 1	xxx											
UPBOUND STATISTICS	16	5	22	43	24	35	59	20	0	1	21	39
DOWNBOUND STATISTICS	22	0	2	24	43	26	69	24	0	4	28	24
TOTALS	38	5	24	67	67	61	128	44	0	5	49	63

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER	MONTHS REPORTED																	
			1/852/853/85																	
			ALL TIMES EXPRESSED IN MINUTES																	
APPROACH			LOCK PROCESSING TIME									:	DELAYED	DELAY	DELAY	DELAY				
MIN	AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	MAX	:	TOWS	TIME	AVG	MAX	
															:		(TOWS)	(TOWS)	(ALL VSSLS)	
ALLEGHENY RIVER																				
LOCK & DAM 2	1	6	50	:	1	5	20	:	5	7	23	:	2	8	45	:	71	3268	8.9	155
LOCK & DAM 3	1	7	30	:	1	5	30	:	5	8	11	:	1	9	76	:	81	4350	11.6	265
LOCK & DAM 4	1	8	50	:	1	5	25	:	5	8	28	:	1	9	47	:	22	965	4.0	220
LOCK & DAM 5	2	5	15	:	2	4	13	:	7	8	18	:	2	5	19	:	1	8	.1	8
LOCK & DAM 6	4	5	8	:	2	4	5	:	8	8	13	:	2	4	10	:	4	55	.7	23
LOCK & DAM 7	5	5	8	:	2	4	5	:	8	8	8	:	2	4	5	:	1	13	3.3	13
LOCK & DAM 8	NO DATA RECORDED FOR THIS LOCK																			
LOCK & DAM 9	NO DATA RECORDED FOR THIS LOCK																			
MONONGAHELA RIVER																				
LOCK & DAM 2	1	13	60	:	2	6	55	:	5	11	47	:	1	8	72	:	229	12296	16.8	280
LOCK & DAM 2 AUX 1	1	8	59	:	1	3	19	:	5	6	18	:	1	5	33	:	137	28731	90.6	891
LOCK & DAM 3	1	10	37	:	2	5	16	:	6	9	31	:	2	6	16	:	458	12649	9.3	146
LOCK & DAM 3 AUXILIARY 1	1	7	26	:	1	3	14	:	6	8	34	:	1	3	14	:	22	404	1.7	70
LOCK & DAM 4	1	11	59	:	1	6	53	:	5	10	34	:	1	7	30	:	403	15643	13.4	327
LOCK & DAM 4 AUXILIARY 1	1	10	32	:	1	3	7	:	7	9	24	:	1	5	11	:	0	0	.0	22
MAXWELL LOCK & DAM	1	9	33	:	1	6	20	:	6	11	58	:	2	8	28	:	64	1181	1.9	68

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH			DIVISION NAME OHIO RIVER			MONTHS REPORTED																
							1/85			2/85			3/85										

							ALL TIMES EXPRESSED IN MINUTES																
APPROACH			LOCK ENTRY			PROCESSING TIME CHAMBER			EXIT			: DELAYED TOWS		DELAY TIME	DELAY AVG	DELAY MAX							
MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	: TOWS	(TOWS)	(TOWS)	(ALL VSSLS)								

MONONGAHELA RIVER																							
MAXWELL LOCK & DAM AUX 1	1	12	40	1	7	21	7	12	50	3	9	21	:	33	508	1.0	58						
LOCK & DAM 7	1	5	47	1	4	41	5	6	26	1	9	32	:	465	21248	19.4	203						
LOCK & DAM 8	1	6	40	1	4	42	5	6	30	1	9	47	:	339	12755	13.4	145						
MORGANTOWN LOCK & DAM	5	5	15	5	5	10	9	10	15	4	5	10	:	0	0	.0	0						
HILDEBRAND LOCK & DAM	2	5	18	2	3	14	8	15	60	2	4	13	:	1	26	.4	26						
OPEKISKA LOCK & DAM	3	5	10	1	2	5	10	11	17	2	3	5	:	0	0	.0	0						
OHIO RIVER																							
ENSWORTH LOCK & DAM	1	12	107	2	6	30	8	14	42	2	10	113	:	371	25335	27.0	405						
ENSWORTH LOCK & DAM AUX 1	1	9	31	1	3	7	7	9	33	2	3	7	:	22	393	2.1	31						
DASHIELDS LOCK & DAM	1	14	65	1	9	41	5	14	53	1	12	65	:	363	29815	38.3	388						
DASHIELDS LOCK & DAM AUX 1	1	11	73	1	4	58	5	7	29	1	5	73	:	85	29300	111.4	1143						
MONTGOMERY LOCK & DAM	1	11	91	2	10	55	5	14	57	1	14	95	:	414	42851	51.2	845						
MONTGOMERY LOCK & DAM AUX 1	1	8	34	1	4	19	5	10	38	1	5	49	:	8	207	1.8	148						
NEW CUMBERLAND LOCK & DAM	1	19	67	1	6	25	5	15	49	1	12	51	:	166	7419	12.5	200						
NEW CUMBERLAND LK & DAM AUX	1	13	60	1	4	37	5	13	29	1	11	82	:	47	2438	11.2	266						
PIKE ISLAND LOCK & DAM	1	14	53	1	10	34	6	14	50	1	10	31	:	238	8758	11.7	239						
PIKE ISLAND LOCK & DAM AUX 1	1	10	35	1	5	32	5	13	22	2	8	17	:	11	267	2.3	47						

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER	1/85	MONTHS REPORTED 2/85	3/85
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ALL TIMES EXPRESSED IN MINUTES												DELA	DELA	
APPROACH			LOCK PROCESSING TIME			EXIT			TOWS			TIME	AVG	MAX
MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	(TOWS)	(TOWS)	(ALL VSSLS)

OHIO RIVER

HANNIBAL LOCKS & DAM	1	15	59	2	10	27	6	15	38	2	11	40	:	180	7866	12.0	150
HANNIBAL LOCKS & DAM AUX 1	4	14	44	1	6	15	10	14	20	5	10	21	:	1	25	.7	25

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/85 THROUGH 3/85
 INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
K3	JACKSONVILLE	SOUTH ATLANTIC	1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
CROSS FLA BRG CNL	11-HENRY HOLLAND BUCKMAN LOCK	0600/0084/15.0
	12-EUREKA LOCK	0600/0084/15.0
	13-INGLIS LOCK	0600/0084/15.0
CANAVERAL HARBOR	21-CANAVERAL LOCK	0600/0090/15.0
OSKEECHOBEE WATERWAY	1-ST LUCIE LOCK & DAM	0250/0050/14.0
	2-MOORE HAVEN LOCK	0250/0050/11.0
	3-ORTONA LOCK & DAM	0250/0050/12.0
	4-W P FRANKLIN LCK & CTRL STRCT	0400/0056/14.0
	5-PORT MAYACA LOCK	0400/0056/14.0
OKLAHAMA RIVER	31-MOSS BLUFF LOCK & DAM	0156/0030/XXXX

NO DATA RECORDED ON SUMMARY FILE FOR THIS PERIOD

NO DATA RECORDED ON LOCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC K5	DISTRICT NAME MOBILE	DIVISION NAME SOUTH ATLANTIC	MONTHS REPORTED		
			1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)			
ALABAMA-COOSA RIVERS	11-CLAIBORNE LOCK & DAM	0600/0084/12.0			
	12-MILLERS FERRY LOCK & DAM	0600/0084/12.0			
	13-JONES BLUFF LOCK & DAM	0600/0084/12.0			
APLCH/CHTCH/FLNT RI	21-JIM WOODRUFF LOCK & DAM	0450/0082/12.0			
	22-GEORGE W ANDREWS LOCK & DAM	0450/0082/12.0			
	23-WALTER F GEORGE LOCK & DAM	0450/0082/12.0			
BLKWAR/TOMBIGBEE RI	1-COFFEEVILLE LOCK	0600/0110/12.0			
	2-DEMOPOLIS LOCK & DAM	0600/0110/12.0			
	3-WARRIOR LOCK & DAM	0600/0110/12.0			
	4-WILLIAM BACON OLIVER LK & DM	0460/0095/12.0			
	5-HOLT LOCK & DAM	0600/0110/12.0			
	6-JOHN HOLLIS BANKHEAD LK & DM	0600/0110/12.0			
PEARL RIVER	31-LOCK 1	0310/0065/ 9.0			
	32-LOCK 2	0310/0065/ 9.0			
	33-LOCK 3	0310/0065/ 9.0			
TENN TOMBIGBEE WATERWAY	41-GAINESVILLE LOCK & DAM	0600/0110/12.0			
	42-ALICEVILLE LOCK & DAM	0600/0110/12.0			
	43-COLUMBUS LOCK & DAM	0600/0110/12.0			
	44-ABERDEEN LOCK & DAM	0600/0110/12.0			
	45-LOCK A	0600/0110/12.0			
	46-LOCK B	0600/0110/12.0			
	47-LOCK C	0600/0110/12.0			
	48-LOCK D	0600/0110/12.0			
	49-LOCK E	0600/0110/12.0			
	50-BAY SPRINGS	0600/0110/12.0			

NO DATA RECORDED ON SUMMRY FILE FOR THIS PERIOD

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROCS	DISTRICT NAME MOBILE	DIVISION NAME SOUTH ATLANTIC	MONTHS REPORTED													
			1/85			2/85			3/85							
			ALL TIMES EXPRESSED IN MINUTES													
APPROACH			LOCK ENTRY			PROCESSING TIME CHAMBER			EXIT			: DELAYED TOWS	DELAY TIME (TOWS)	DELAY AVG (TOWS)	DELAY MAX (ALL VSSLS)	
MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	:				
CLAIBORNE LOCK & DAM	1	7	30	1	4	23	6	11	25	1	4	20	:			
MILLERS FERRY LOCK & DAM	2	11	30	2	7	20	5	15	31	2	7	20	:			
JONES BLUFF LOCK & DAM	1	3	13	1	3	15	5	17	28	2	4	11	:			
JIM WOODRUFF LOCK & DAM	2	5	19	2	5	31	7	12	26	2	5	21	:			
GEORGE W ANDREWS LOCK & DAM	1	2	4	1	2	9	12	15	27	1	2	10	:			
WALTER F GEORGE LOCK & DAM	1	4	35	1	4	16	5	15	49	1	4	19	:			
MONONGAMELA RIVER																
COFFEEVILLE LOCK	1	11	36	1	5	21	5	12	23	1	10	44	:	0	0	.0 0
DEMOPOLIS LOCK & DAM	1	12	39	1	4	18	5	14	35	1	11	100	:			
WARRIOR LOCK & DAM	1	13	50	1	4	25	5	15	33	1	9	49	:			
WILLIAM BACON OLIVER LK & DM	1	13	68	1	6	58	5	14	30	1	14	75	:			
HOLT LOCK & DAM	1	12	41	1	7	38	5	19	45	1	9	25	:			
JOHN HOLLIS BANKHEAD LK & DM	1	12	55	1	7	39	5	14	46	1	8	25	:			
PEARL RIVER																
LOCK 1	NO DATA RECORDED FOR THIS LOCK															
LOCK 2	NO DATA RECORDED FOR THIS LOCK															
LOCK 3	NO DATA RECORDED FOR THIS LOCK															

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
K6	SAVANNAH	SOUTH ATLANTIC	1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
SAVANNAH RIVER	1-NEW SAVANNAH BLUFF LOCK & DAM	0360/0056/12.0

NO DATA RECORDED ON SUMMARY FILE FOR THIS PERIOD

NO DATA RECORDED ON LCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
K7	WILMINGTON	SOUTH ATLANTIC	1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
CAPE FEAR RIVER	1-LOCK & DAM 1	0200/0040/10.0
	2-LOCK & DAM 2	0200/0040/10.0
	3-WILLIAM O HUSKE LOCK & DAM	0300/0040/10.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC K7	DISTRICT NAME WILMINGTON	DIVISION NAME SOUTH ATLANTIC	MONTHS REPORTED									
			1/85		2/85		3/85					

RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LOCKGS	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												

CAPE FEAR RIVER												
LOCK & DAM 1	XXX											
UPBOUND STATISTICS	22	0	1	23	0	22	22	42	0	5	47	26
DOWNBOUND STATISTICS	22	2	1	25	22	0	22	44	1	7	52	0
TOTALS	44	2	2	48	22	22	44	86	1	12	99	26
LOCK & DAM 2	XXX											
UPBOUND STATISTICS	22	0	0	22	0	22	22	45	0	5	50	26
DOWNBOUND STATISTICS	21	2	0	23	21	0	21	42	0	7	49	0
TOTALS	43	2	0	45	21	22	43	87	0	12	99	26
WILLIAM O MUSKE LOCK & DAM	XXX											
UPBOUND STATISTICS	22	0	0	22	0	22	22	22	0	0	22	25
DOWNBOUND STATISTICS	21	2	2	25	21	0	21	21	1	1	23	0
TOTALS	43	2	2	47	21	22	43	43	1	1	45	25

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/85 THROUGH 3/85
 INSTITUTE FOR WATER RESOURCES

EROC K7	DISTRICT NAME WILMINGTON	DIVISION NAME SOUTH ATLANTIC	1/85	MONTHS REPORTED 2/85	3/85
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ALL TIMES EXPRESSED IN MINUTES															
APPROACH			LOCK PROCESSING TIME			EXIT			TOMS			DELA	DELA	DELA	DELA
MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	(TOMS)	TIME	AVG	MAX
												(TOMS)	(TOMS)	(ALL VSSLS)	

CAPE FEAR RIVER

LOCK & DAM 1	5	5	5	5	5	10	5	13	45	5	5	5	:	1	5	.1	5
LOCK & DAM 2	4	5	10	5	5	10	5	12	25	5	6	15	:	43	214	5.0	5
WILLIAM O HUSKE LOCK & DAM	4	13	380	5	5	5	30	30	50	5	5	5	:	1	80960	1882.8	80960

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROL	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
L2	SACRAMENTO	SOUTH PACIFIC	1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
SCRMNTD DWSHP CHNL	1-BARGE CANAL LOCK	0640/0086/23.0

NO DATA RECORDED ON SUMMRY FILE FOR THIS PERIOD

NO DATA RECORDED ON LCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

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EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
M3	GALVESTON	SOUTHWESTERN	1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
GULF INTRACOASTAL	11-COLORADO RIVER EAST LOCK	1200/0075/15.0
	12-COLORADO RIVER WEST LOCK	1200/0075/15.0
	13-BRAZOS EAST GATE	9999/0075/15.0
	14-BRAZOS WEST GATE	9999/0075/15.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC N3	DISTRICT NAME GALVESTON	DIVISION NAME SOUTHWESTERN	MONTHS REPORTED									
			1/85			2/85			3/85			

RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LOCKGS	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												

GULF INTRACOASTAL												
COLORADO RIVER EAST LOCK	***	ONLY FIRST AND SECOND MONTHS REPORTED										
UPBOUND STATISTICS	507	267	109	883	272	739	1011	69	0	519	588	1703
DOWNBOUND STATISTICS	551	200	64	815	669	342	1011	41	0	559	600	662
TOTALS	1058	467	173	1698	941	1081	2022	110	0	1078	1188	2366
COLORADO RIVER WEST LOCK	***	ONLY FIRST AND SECOND MONTHS REPORTED										
UPBOUND STATISTICS	506	674	131	1311	257	732	989	107	0	476	583	1681
DOWNBOUND STATISTICS	546	580	90	1216	651	350	1001	98	0	487	585	640
TOTALS	1052	1254	221	2527	908	1082	1990	205	0	963	1168	2321
BRAZOS EAST GATE	***	ONLY FIRST AND SECOND MONTHS REPORTED										
UPBOUND STATISTICS	632	92	233	957	299	794	1093	3	0	796	799	1664
DOWNBOUND STATISTICS	604	92	234	930	700	354	1054	4	0	758	762	672
TOTALS	1236	184	467	1887	999	1148	2147	7	0	1554	1561	2337
BRAZOS WEST GATE	***	ONLY FIRST AND SECOND MONTHS REPORTED										
UPBOUND STATISTICS	599	65	200	864	284	778	1062	3	0	680	683	1653
DOWNBOUND STATISTICS	584	52	159	795	696	340	1036	0	0	644	644	609
TOTALS	1183	117	359	1659	980	1118	2098	3	0	1324	1327	2262

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC #3	DISTRICT NAME GALVESTON			DIVISION NAME SOUTHWESTERN						MONTHS REPORTED									
										1/85				2/85				3/85	
<hr/>																			
ALL TIMES EXPRESSED IN MINUTES																			
APPROACH			LOCK PROCESSING TIME						EXIT			: DELAYED		DELAY	DELAY	DELAY			
			ENTRY			CHAMBER						TOWNS					TIME	AVG	MAX
MIN AVG MAX			MIN AVG MAX			MIN AVG MAX			MIN AVG MAX			:			(TOWNS)	(TOWNS)	(ALL VSSLS)		
<hr/>																			
GULF INTRACOASTAL																			
COLORADO RIVER EAST LOCK			1	1	15	1	1	61	1	2	60	1	1	10	:	1058	2222	2.1	346
COLORADO RIVER WEST LOCK			1	2	22	1	1	15	1	3	55	1	1	11	:	1052	1695	1.6	7
BRAZOS EAST GATE			1	1	10	1	1	5	1	1	2	1	1	61	:	1231	4264	3.4	542
BRAZOS WEST GATE			1	1	116	1	1	61	1	1	3	1	1	61	:	1181	4544	3.8	462

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/85 THROUGH 3/85
 INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
M4	LITTLE ROCK	SOUTHWESTERN	1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
ARKANSAS RIVER	1-NORRELL LOCK & DAM	0600/0110/12.0
	2-LOCK & DAM 2	0600/0110/12.0
	3-LOCK & DAM 3	0600/0110/12.0
	4-LOCK & DAM 4	0600/0110/12.0
	5-LOCK & DAM 5	0600/0110/12.0
	6-DAVID D TERRY LOCK & DAM	0600/0110/12.0
	7-MURRAY LOCK & DAM	0600/0110/12.0
	8-TOAD SUCK FERRY LOCK & DAM	0600/0110/12.0
	9-LOCK & DAM 9	0600/0110/12.0
	10-DARDANELLE LOCK & DAM	0600/0110/12.0
	11-OZARK LOCK & DAM	0600/0110/12.0
	13-LOCK & DAM 13	0600/0110/12.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC #4	DISTRICT NAME LITTLE ROCK	DIVISION NAME SOUTHWESTERN	MONTHS REPORTED									
			1/85		2/85		3/85					

RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGS	LOCKGS	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												

ARKANSAS RIVER												
NORRELL LOCK & DAM	xxx											
UPBOUND STATISTICS	163	1	28	192	476	291	767	92	0	107	199	428
DOWNBOUND STATISTICS	180	0	13	193	128	649	777	85	0	122	207	909
TOTALS	343	1	41	385	604	940	1544	177	0	229	406	1338
LOCK & DAM 2	xxx											
UPBOUND STATISTICS	163	3	26	192	477	290	767	186	3	10	199	430
DOWNBOUND STATISTICS	184	3	12	199	118	656	774	197	2	9	208	920
TOTALS	347	6	38	391	595	946	1541	383	5	19	407	1350
LOCK & DAM 3	xxx											
UPBOUND STATISTICS	149	6	14	169	408	304	712	161	5	33	199	439
DOWNBOUND STATISTICS	157	8	9	174	109	573	682	167	6	34	207	811
TOTALS	306	14	23	343	517	877	1394	328	11	67	406	1250
LOCK & DAM 4	xxx											
UPBOUND STATISTICS	147	1	9	157	385	298	683	155	1	18	174	427
DOWNBOUND STATISTICS	153	5	10	168	113	553	666	166	3	16	185	758
TOTALS	300	6	19	325	498	851	1349	321	4	34	359	1186
LOCK & DAM 5	xxx											
UPBOUND STATISTICS	111	3	16	130	243	261	504	121	3	12	136	357
DOWNBOUND STATISTICS	118	6	5	129	83	412	495	128	5	15	148	692
TOTALS	229	9	21	259	326	673	999	249	8	27	284	1049
DAVID D TERRY LOCK & DAM	xxx											
UPBOUND STATISTICS	111	14	15	140	242	263	505	124	13	6	143	367
DOWNBOUND STATISTICS	118	20	9	147	90	415	505	134	18	8	160	697
TOTALS	229	34	24	287	332	678	1010	258	31	14	303	1065
MURRAY LOCK & DAM	xxx											
UPBOUND STATISTICS	87	26	11	124	196	210	406	101	21	7	129	288
DOWNBOUND STATISTICS	100	31	4	135	74	361	435	109	29	7	145	614
TOTALS	187	57	15	259	270	571	841	210	50	14	274	903

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC #4	DISTRICT NAME LITTLE ROCK			DIVISION NAME SOUTHWESTERN				MONTHS REPORTED					
								1/85	2/85	3/85			

RIVER/LOCK NAME	TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LOCKGS COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)	
													(NAV, OPN, ETC)

ARKANSAS RIVER													
TOAD SUCK FERRY LOCK & DAM		XXX											
UPBOUND STATISTICS	89	2	2	93	195	217	412	94	2	17	113	298	
DOWNBOUND STATISTICS	96	3	2	101	69	355	424	105	3	15	123	600	
TOTALS	185	5	4	194	264	572	836	199	5	32	236	898	
LOCK & DAM 9		XXX											
UPBOUND STATISTICS	83	12	7	102	197	197	394	90	12	9	111	274	
DOWNBOUND STATISTICS	91	13	2	106	67	355	422	98	13	11	122	606	
TOTALS	174	25	9	208	264	552	816	188	25	20	233	880	
DARDANELLE LOCK & DAM		XXX											
UPBOUND STATISTICS	94	4	15	113	201	197	398	109	3	11	123	276	
DOWNBOUND STATISTICS	100	4	12	116	69	359	428	116	4	13	133	620	
TOTALS	194	8	27	229	270	556	826	225	7	24	256	896	
OZARK LOCK & DAM		XXX											
UPBOUND STATISTICS	77	0	2	79	188	184	372	83	0	8	91	251	
DOWNBOUND STATISTICS	83	2	2	87	59	341	400	91	2	8	101	585	
TOTALS	160	2	4	166	247	525	772	174	2	16	192	836	
LOCK & DAM 13		XXX											
UPBOUND STATISTICS	113	0	2	115	190	254	444	119	0	23	142	286	
DOWNBOUND STATISTICS	117	2	8	127	122	344	466	132	2	19	153	585	
TOTALS	230	2	10	242	312	598	910	251	2	42	295	872	

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC M4	DISTRICT NAME LITTLE ROCK			DIVISION NAME SOUTHWESTERN			MONTHS REPORTED										
							1/85			2/85			3/85				
ALL TIMES EXPRESSED IN MINUTES																	
APPROACH			LOCK ENTRY			PROCESSING TIME CHAMBER			EXIT			:	DELAYED TOWS	DELAY TIME (TOWS)	DELAY AVG (TOWS)	DELAY MAX (ALL VSSLS)	
MIN	AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	MAX	:		
ARKANSAS RIVER																	
NORRELL LOCK & DAM	1	7	55		1	5	38		1	5	34		1	6	29	:	16 826 2.4 185
LOCK & DAM 2	1	9	40		1	9	44		5	11	27		1	10	45	:	51 46233 133.2 44640
LOCK & DAM 3	1	8	53		1	8	65		5	9	72		1	9	97	:	29 933 3.0 133
LOCK & DAM 4	1	11	85		1	8	50		5	11	50		1	8	70	:	27 1223 4.1 420
LOCK & DAM 5	1	11	80		1	9	46		5	9	41		2	13	44	:	55 808 3.5 125
DAVID D TERRY LOCK & DAM	1	13	52		1	9	40		5	9	30		2	12	35	:	27 853 3.7 90
MURRAY LOCK & DAM	1	9	60		1	8	60		5	9	20		1	9	45	:	14 372 2.0 96
TOAD SUCK FERRY LOCK & DAM	1	10	45		1	9	35		5	9	32		1	10	67	:	42 927 5.0 132
LOCK & DAM 9	1	12	42		1	10	45		5	11	38		1	9	59	:	17 305 1.8 153
DARDANELLE LOCK & DAM	1	10	39		1	8	38		5	13	31		1	8	43	:	174 18307 94.4 160
OZARK LOCK & DAM	3	13	45		2	12	45		10	12	25		2	11	30	:	120 1107 6.9 95
LOCK & DAM 13	1	8	29		1	9	36		5	10	40		1	11	65	:	22 673 2.9 132

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
MS	TULSA	SOUTHWESTERN	1/85	2/85	3/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
ARKANSAS RIVER	21-W D MAYO LOCK & DAM	0600/0110/14.0
	22-ROBERT S KERR LOCK & DAM & RES	0600/0110/14.0
	23-WEBBERS FALLS LOCK & DAM	0600/0110/14.0
	24-CHOUTEAU LOCK & DAM	0600/0110/14.0
	25-NEWT GRAHAM LOCK & DAM	0600/0110/14.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC MS	DISTRICT NAME TULSA			DIVISION NAME SOUTHWESTERN				MONTHS REPORTED					
								1/85	2/85			3/85	

RIVER/LOCK NAME	TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LOCKGS COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL (NAV, OPN, ETC)	TONNAGE (KTONS)	

ARKANSAS RIVER													
W D MAYO LOCK & DAM	xxx												
UPBOUND STATISTICS	80	0	6	86	202	148	350	87	0	4	91	209	
DOWNBOUND STATISTICS	79	4	11	94	38	322	360	92	2	5	99	563	
TOTALS	159	4	17	180	240	470	710	179	2	9	190	772	
ROBERT S KERR LOCK & DAM &RES	xxx												
UPBOUND STATISTICS	80	1	7	88	201	147	348	88	1	4	93	200	
DOWNBOUND STATISTICS	79	3	6	88	38	321	359	90	3	5	98	560	
TOTALS	159	4	13	176	239	468	707	178	4	9	191	760	
WEBBERS FALLS LOCK & DAM	xxx												
UPBOUND STATISTICS	71	1	2	74	124	142	266	74	1	7	82	210	
DOWNBOUND STATISTICS	72	1	5	78	44	242	286	79	1	7	87	439	
TOTALS	143	2	7	152	168	384	552	153	2	14	169	650	
CHOUTEAU LOCK & DAM	xxx												
UPBOUND STATISTICS	71	0	1	72	115	131	246	72	0	5	77	182	
DOWNBOUND STATISTICS	64	1	8	73	35	209	244	73	1	5	79	361	
TOTALS	135	1	9	145	150	340	490	145	1	10	156	543	
NEWT GRAHAM LOCK & DAM	xxx												
UPBOUND STATISTICS	68	1	1	70	114	123	237	69	1	3	73	171	
DOWNBOUND STATISTICS	65	1	6	72	39	208	247	72	1	3	76	353	
TOTALS	133	2	7	142	153	331	484	141	2	6	149	524	

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/85 THROUGH 3/85
INSTITUTE FOR WATER RESOURCES

EROC MS	DISTRICT NAME TULSA			DIVISION NAME SOUTHWESTERN									MONTHS REPORTED							
													1/85			2/85			3/85	
ALL TIMES EXPRESSED IN MINUTES																				
APPROACH			LOCK PROCESSING TIME									: DELAYED		DELAY	DELAY	DELAY				
			ENTRY			CHAMBER			EXIT			: TOWS		TIME	AVG	MAX				
MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	:		(TOWS)	(TOWS)	(ALL VSSLS)				
ARKANSAS RIVER																				
W D MAYO LOCK & DAM		2	12	50	1	10	43	5	10	25	2	11	45	:	9	171	1.1	57		
ROBERT S KERR LOCK & DAM & RE		2	7	23	1	11	39	6	14	22	2	12	46	:	11	339	2.1	50		
WEBBERS FALLS LOCK & DAM		2	12	35	2	9	34	11	20	45	2	11	68	:	88	1235	8.6	70		
CHOUTEAU LOCK & DAM		2	9	25	2	8	40	7	15	44	3	10	29	:	33	129	1.0	48		
NEWT GRAHAM LOCK & DAM		1	11	30	1	10	40	1	14	39	2	14	57	:	16	222	1.7	57		

Appendix B Glossary

Draft: This is not a physical lock dimension. It is compared with new data before it is added to the central library to ensure that vessel drafts are not recorded improperly.

Tow: Only tows with barges are included with this figure. Tows without barges (light boats) and other commercial vessels are counted as "other vessels."

Other vessels: All vessels other than tows with barges and recreational vessels.

Commercial lockages: The number of lockages for which the prime mover is a tow, a light boat, or another commercial vessel.

Recreational lockages: The number of lockages during which there are only recreational vessels using a lock.

Other lockages: The number of lockages during which the prime mover is a government vessel, a government contracted vessel (such as a dredge) or an unidentified type of vessel. Also included in this category are navigable and open pass lockages.

Total lockages: A lockage includes all lock activity necessary to process a tow and is counted only once when more than one vessel uses the lock. Thus, both cuts of a double cut lockage (e.g. only part of the tow will fit in the lock and it is necessary to process the tow in two pieces) count as a single lockage together and the count increases by only one when two tows are processed during a single lockage.

Processing time: Only the times needed to process tows with barges are included in these statistics.

Delayed vessels: Number of tows experiencing delay between arrival time and the time the lock is ready to process them.

Average delay: Average time of delay for all tows.

Maximum delay: Maximum delay time for vessels. This figure may reflect a single, extraordinary circumstance and should be evaluated accordingly.

END

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